

SOMMER CABLE

BULK CABLE CATALOG **V7.3**



since
99

AUDIO



VIDEO



**DATA
AQUA
POWER**



Simply good vibes.



... + DMX512 2x0.14mm² (AWG26) • by SOMMER CABLE Germany



... CABLE Germany



... (WG24) • OFC • by SOMMER CABLE Germany



... (AWG14) • by SOMMER CABLE Germany



... CAT. 8
... m² + 5x2.5mm² 700V • by SOMMER CABLE Germany • CE

Dear customers and interested readers,

this updated **Bulkware 7.3** catalog shows you our latest **range of bulkware cables** with many "sommerly" cable highlights in our proven "**carefree quality**". The products marked with the **CPR logo** comply with the up-to-date Construction Products Regulation **EU 305/2011** and offer you a safe planning and installation for your building projects.



A selection of currently available **CPR (Construction Products Regulation)** cables can be found on the following pages or at www.sommercable.com

For your installation and building projects our **Conference | Media | Solutions** catalog can also serve as a great source of inspiration for designers and architects.

For an easy order handling or availability checks around the clock, our **B2B dealer online shop** with the complete Sommer range of more than 25,000 products around the cable and connectivity world is at your disposal. At www.sommercable.com you can conveniently search, select, compare and, of course, buy online. You're welcome to request your personal B2B access data by e-mail to info@sommercable.com.



Here's a little foretaste of our current bulkware **highlights** which are all marked with the **NEW button**:

- our "silverware" with a superb harmonics range: **SC-SILVER STAGE** and **SC-SILVER SPIRIT**
- the allround workhorse **SC-MICRO DUO ARAMID**
- the super robust speaker + DMX combo: **SC-ELEPHANT ROBUST DMX**
- the universal building professionals: **SC-MERIDIAN CPR** + **SC-ELEPHANT CPR**
- the 12G video broadcast class: **SC-VECTOR PLUS 1.3/5.7**
- the allrounder incl. audio, video, and LAN: **SC-TRANIST 3201**
- CAT.8 with 40 Gbit in B2ca: **SC-MERCATOR CAT.8.1**

And and and ...

But now I wish you joyful hours of browsing and discovering!

Cordially yours

Rainer Blanck
CEO **SOMMER CABLE**



Our Cable Highlights



Studio Microphone cable AES/EBU -
SC-SILVER STAGE - Page 25



Microphone cable Aramid Duo, AES/EBU
SC-MICRO DUO ARAMID - Page 28



Speaker cable Installation
SC-MERIDIAN CPR - Page 59

CPR



Video/Audio/Network 10 Gbit Hybrid cable
SC-TRANIST 3201 - Page 96



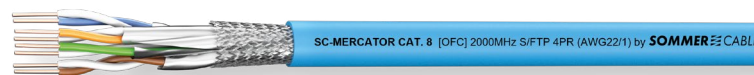
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CPR



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Stage & Entertainment

SOMMER CABLE for the *musician*

A musician appreciates our cables for several reasons: He knows that all **SOMMER CABLE's** are designed for **longevity**. We use a **dense stranding technique** and **smooth, pure copper (OFC)**, which guarantees **high bending cycles** and **loss-free transmission**. The use of our cables avoids unpleasant surprises during live gigs.

If you compare the price and performance of our cables with others you will immediately realize that they are very **reasonably priced** and provide great value.



Simply good vibes.

OEM

SOMMER CABLE for the *OEM customer*

Third party manufacturers and OEM customers utilize labeled or neutral **SOMMER CABLEs** for their own products. This ensures that their cables maintain the same quality and meet the same strict specifications for years to come. Customers can count on them **being uniformly centered** so that **machines won't have any problems processing the cables** and **no costly finishing work is required**.

We can optionally imprint your logo on the cable.

The cable specifications you provide are **in safe hands**.

Your designs are kept safe and **will not be passed on to other parties**.

We also offer our key accounts professional sales and marketing support and will provide **budget-friendly info brochures** on demand. After the sale, we're still here for you and your sales success.



Studio & Broadcast

SOMMER CABLE for *studio* and *broadcasting*

SOMMER CABLE is the **main supplier** for **nearly all of the top German broadcasting and TV stations** because they appreciate **SOMMER CABLE uncompromising quality** and our **extraordinary product range**.

Our cable production is very fast and flexible, which enables us to react to changes in the market very quickly.

All our cables are manufactured according to the latest **broadcast specifications** and have been tested in the **technical laboratories** of broadcast studios over long periods of time, and found to be of very high quality.



Installation

SOMMER CABLE for the *installer*

You depend on **reliable and fast delivery** and sometimes need the impossible to be made possible. Owing to special contracts with our forwarders, we can often **process and ship your order even on the same day**, provided we **receive your order before 3 p.m.**

We do not only supply cables, but also **useful accessories, tools, connectors and electronic components**.

Due to **high-quality jacket blends** our cables are literally made for **challenging temperature ranges and adverse conditions**. This will guarantee you **longlife quality cables** in your cable ducts for your abiding peace of mind.



HiFi & Home

SOMMER CABLE for the *hi-fi enthusiast*

Our product managers are all hi-fi freaks. They have been involved in the business for several years with great **enthusiasm and passion. As musicians they take a realistic approach to sonic quality** and are not fooled by “esoteric” statements or fashionable trends.

For years we have been producing **linear speaker and phono/RCA connectors** for the high-end hi-fi market.

We have received great recognition from users, hi-fi magazines and resellers for our **fair and reasonable pricing structure.**

Conference & Multimedia

SOMMER CABLE for the *media room designers and installers*

For designers, **SOMMER CABLE** offers a **highly detailed catalog** containing all pertinent **technical data**. The information provided in the **SOMMER CABLE** catalog is **clearly laid out so that you can find the facts and figures you need quickly**. This makes it easy to forward the information to your customers via fax or e-mail. Furthermore, installers and designers can find the specifications and descriptions of our **cables online**.

About 96% of our cables are always **in stock**, minimizing shipment delays, and keeping your customers happier. Please send your tenders to our e-mail address **ausschreibung@sommercable.com** or by fax to **+49 (0) 70 82/4 91 33 -11**.



Professional Audio & Event

SOMMER CABLE for the *ental firm and the soundman*

SOMMER CABLE not only offers a **vast range of standard stagebox systems, ready-made cables and multicore snakes**, but we also manufacture in-house **customer-specific special solutions** for almost every possible application. Our customizing service offers **clear heat-shrink tubing**, individualized color-coding and velcro options. Uniquely identifying your cables in this way should help reduce their “disappearance” at gigs. For information regarding custom solutions our **qualified technical advisors** will be glad to help you. The cables we offer you are equipped with a **special stranding technology** and a **thick, rugged jacket that makes them easy to wind onto a reel**.



Music & Instruments

SOMMER CABLE for the *music dealer*

We know how important overall support is, and we **support our resellers with promotional material, brochures and catalogs, eye-catching displays, and attractive packaging**.

Music retailers appreciate the **short delivery times** of cables and the **courteous and committed support** of our employees. We offer **a wide variety of products in various price categories**. This helps you **respond to a very broad range of customer demands**.



Things worth knowing about SOMMER CABLE

We are here for you

Sales +49 70 82/491 33-0
 Tech. Support +49 70 82/491 33-10
 info@sommercable.com | www.sommercable.com

Monday till Friday 8:30 am to 12:00 pm
 and from 1:00 pm to 4:30 pm.
 We are looking forward to your call !

You can regularly find us at national & international trade shows. You can find the exact dates at www.sommercable.com


Distributors



For our international customers our reliable distributors are at your service around the world. The distributors guarantee you a nationwide, fast delivery and a professional support. You will find the right contact for your country on our homepage under the "Contact" rider. Should your country not be listed on this list, please leave us a note at info@sommercable.com. We will contact you as soon as possible.



Our prices – your benefit

Prices and additional information can be obtained by scanning the given **QR codes** (scan app required) or by entering the search code number (magnifier symbol  on PC) at www.sommercable.com.

You will find your discounted pricing and product availability in our B2B shop. Please contact us to request your personal login ID and password.

Our **complete price list** can be downloaded as an **Excel file at www.sommercable.com/pricelist** or requested from us by phone or via e-mail. We reserve the right to change prices in the event of substantial fluctuations in commodity prices.

Use the **SOMMER CABLE** catalog as your **advertising!** Simply order extra free catalog copies for your customers from us.

As an AV Contractor, Pro Audio or AV Dealer, Distributor or Manufacturer you will receive special discounts. Simply request them from us (if you are not a corporation, LLC or limited partnership, we will ask you to send us a copy of your business license or permit).

Payments

We accept **advance payments** by wire transfer. We also accept **Visa, Eurocard, or Mastercard** (and **American Express** and **Discover** in the US). Please provide your credit card number, name of your credit card company, name of the credit card holder, expiration date and the security code.

Please wire your payments to one of the following bank accounts:

Commerzbank Pforzheim
BIC: COBADEFF
IBAN: DE91 6664 0035 0405 0654 00

or **Sparkasse Pforzheim**
BIC: PZHS DE 66XXX
IBAN: DE44 6665 0085 0000 9059 68

or **Hypo Vereinsbank Karlsruhe**
BIC: HYVEDEMM475
IBAN: DE49 6602 0286 0002 3481 60

or **Volksbank Pforzheim**
BIC: VBPFDE66
IBAN: DE30 6669 0000 0003 6230 69

24 – 48 hours

... are our average delivery times. We keep a generously stocked inventory from which **we can instantly supply 96% of our catalog products**. Stageboxes, systems and looms can be made for you within a few days.

Delivery will be effected through a fast and reliable parcel service (up to 32 kg / 70.6 lbs).

Bulky goods are delivered by a shipping company. This also applies to deliveries to neighboring countries. Here we advise our foreign customers to have the goods picked up from us by their regular forwarder.



Try before you buy

Would you like to get your hands on some bulk cable samples and put them to the test? Bend them, strip them, and see yourself? Just order the cable samples of your choice your choice from this catalog.



We are member.



GO GREEN



ISO 9001

For an ongoing process optimization, and also for the sustainable safeguard of our high product and service quality, we rely on the ISO 9001:2015 quality management system.

WEEE

(Waste Electrical and Electronic Equipment) – EU Directive on the Reduction of the growing amount of electronic waste from discarded electric and electronic appliances. Its goal is the avoidance, reduction and environmentally friendly management of the increasing quantities of electronic waste by means of an extended manufacturer responsibility for their products.

Before 2006, **SOMMER CABLE** had already adjusted their entire cable, assembly and system productions to adhere to EU Directives 2002/95/EC (RoHS) and 2002/96/EC (WEEE).

Quality & environment

RoHS

The RoHS Directive (Restriction of certain Hazardous Substances) of the European Union (EU) regulates the restriction of the use of hazardous substances to a maximum of 0.1%. Since July 2006 the Directive 2002/95/EC (RoHS 1) has prohibited the use of cadmium (Cd), mercury (Hg), hexavalent chromium (Cr(VI)), polybrominated biphenyls (PBBs) and polybrominated diphenyl ethers (PBDEs) as well as lead (Pb) in electric and electronic devices. Since 2013 the Directive 2011/65/EU (RoHS 2) has superseded the previous directive.

From July 2019 the Directive 2015/863/EU (RoHS 3) has been in force which, in addition, has incorporated the following substances: Bis(2-ethylhexyl)phthalate (DEHP), Benzyl Butyl Phthalate (BBP), Dibutyl Phthalate (DBP) and Diisobutyl Phthalate (DIBP). All RoHS specifications regarding our products are listed in a separate column in our pricelist.



Carbon neutrality

... has always been a major concern for us and we keep our investments constantly geared to this. For example, since 2006 we have run two cogeneration power plants, and since 2008 we have produced summer solar power on our company roofs. In 2019 we doubled the collector output from 30 kWp to **60 kWp** and also integrated a **40 kW E3DC storage system**. At the present time we are therefore producing more green energy than we actually consume. Moreover, several wallbox charging stations are available for the e-cars and employee's cars. With all paper-based product packagings and catalog productions we focus on sustainability. Our wish and goal is to establish ourselves in all areas as a carbon-neutral and sustainable company and to keep investing in this field in order to do our share for a life-friendly planet earth.



Source: E3/DC



Warranty

The warranty covers our own brands **SOMMER CABLE**, HICON, Cardinal DVM, and SYSBOXX Systems.
www.sommercable.com/service

Only when you are satisfied, we will be, too.

Our products are made to bring you joy and to meet your requirements. That's why we attach great importance to excellent quality, good professional advice and a friendly customer service. Should for once something not be up to your wishes, please call us at +49 7082 49133-0 or send an e-mail to info@sommercable.com. For the easy handling of returns please use the return slip provided for this purpose after prior consultation under <https://www.sommercable.com/service/returns>



EXPLANATION OF SYMBOLS

APPLICATION

⊗ STAGE

Cables for applications especially on stage, at open air festivals or live events. These cables are easy to wind, simple to handle and will not knot, if used correctly, and you will not trip over them when they are laid out on stage. They are ideal for the professional and hobby musician.

⊗ MOBILE

Cables for mobile broadcast applications require a flexible PVC jacket, fine-stranded wire construction, high bending cycles and a low bending radius. They are easy to wind and suitable for outdoor applications. For extreme outdoor applications (satellite vehicles, broadcasting of sporting events, etc.), we recommend the versions with **PUR** or **TPE** jackets. These jackets used on **SOMMER CABLEs** are extremely rugged, halogen-free and can also handle temperatures.

⊗ STUDIO

These cables are optimized for sound quality. Their sophisticated stranding and wiring methods combined with perfect shielding ensure pristine signal transmission and fatigue-free listening pleasure. They are used in studio settings, for broadcasting and in satellite vehicles.

⊗ INSTALL

Cables for installation are primarily designed for longevity and safe transmission, especially for **ELA-100V-technology** (a German standard). They can be installed inside walls and plenums over long distances, but are also suitable for internal use in audio electronics (amplifiers, speakers, etc.) or racks. If you need to meet certain fire code requirements, please refer to the **halogen-free/PUR** and **FRNC** symbols.

⊗ ELA

Electro-acoustic cables are suitable for use in 100-volt public address speaker systems. On principle nearly all LF (low-frequency) cables and speaker cables in our program can be used in ELA-100V-technology (a German standard). We use high quality materials for the insulation, such as PE, SPVC, PUR, TPC-ET and PP. The test voltage for our LF cables is 500 V, in exceptional cases 1200 V (please ask us for specifications), the operating voltage is 300 V. The main problem in ELA-100V-technology are the long distances that must be covered. The user must calculate them. More information can be found on www.sommercable.com/en/service

⊗ HIFI

These cables are optimized for sound and were developed for true, i.e. electrically and acoustically linear transmission of audio signals. You can use them to connect amplifiers, speakers, CD players and other audio devices. They are recommended for the ambitious studio operator.

PROPERTIES

ANALOG

Analog cables are used to transmit low frequency audio signals and to connect microphones, speakers and many other audio components.

DIGITAL

S/P-DIF

These cables are primarily designed for transmitting digital signals in the AES/EBU, S/P-DIF and DMX formats. They are designed and labeled with the required surge impedance of 50, 75 or 110 Ω. Cables which transmit the S/P-DIF standard exclusively can be identified by the S/P-DIF button. Please note the surge impedance requirements of your digital equipment, as stated in the data sheets. Almost all of our digital cables can be used as high quality analog cables, as well as for connecting scanners, mixing boards, hi-fi components and a number of other devices in a recording studio.

HD/UHD

Basically every 75 Ω cable is SDI-suitable – unless a certain length is not exceeded. The crucial factor for the maximum transmission length is the attenuation at the relevant frequencies. Here, for instance, the recommended values are 20 dB, 1500 MHz and 100 m (328 ft.) cable length for SMPTE424M (3G) or 40 dB, 3000 MHz and 100 m (328 ft.) cable length for SMPTE2081 (6G). For long transmission distances fiber-optical systems can also be used. General statements about functioning transmission lengths are problematic since these always depend on the quality and above all on the standard of the device interfaces.

This table gives you an overview of the maximum transmission lengths of our video cables as per SMPTE standard or data rate.



HDTV

Currently the buzzword in the television industry is "HDTV". SCART, RCA or S-video connectors are no longer used for transmission. The new standards are called HDTV (or DVI) and YUV. HDMI and DVI signals can be encoded with HDCP. The playback units and monitors must then support HDCP. Alternately, YUV can be used for a simpler transmission, but HDCP signals are not transmitted that way. YUV can be transmitted with 3 coax cables, usually fitted with RCA or BNC connectors. Caution: A YUV signal is not compatible with an RGB signal, despite the fact that the 3 plugs on the units are often identified as red/green/blue.

HALOGEN-FREE

In case of fire cables marked "halogen-free" will not develop any gases that are poisonous to humans such as chloride. This is often a requirement for public buildings. But be careful! A halogen-free cable is still flammable, and therefore such cables normally require a flame-retardant agent, and are then designated FRNC (flame-retardant non-corrosive).

Smoke suppressant

If cables or wiring with insulation or jackets containing chlorine burn (e.g., PVC) dense black fumes will result. Halogen-free cables or wiring only develop about a tenth of the fume density when compared to PVC cables or wiring. Thus they are considered to be smoke suppressantive.



FRNC

These cables comply with commonly applicable fire code guidelines. They are halogen-free and flame-retardant. This guideline is classified as **FRNC** (flame-retardant non-corrosive).

EXPLANATION of testing procedures according to VDE 0472, Part 804:

FRNC Test Type A (≙ IEC 60332-2-2)

A cable sample measuring 60 cm (2 ft.) in length is vertically suspended in the center of a metal box (1200 mm tall by 300 mm wide by 400 mm deep (circa 47 x 12 x 16"). A gas burner with a defined flame is installed in such a way that its axis is tilted by 45° in reference to the vertical. The flame hits the cable sample about 100 mm/4" above the lower end. The flame burns until the conductor or the topmost metal shielding shows through, but no longer than 20 seconds. To pass the test, either the test sample must not catch fire, or if it does start to burn it must then extinguish itself, and whatever damage is caused by the flame's heat must fail to reach the top end of the tested cable sample.

FRNC Test Type B (≙ IEC 60322-1-2)

A cable sample measuring 60 cm (about 2 ft. in length) is vertically suspended in the center of a metal box (1200 mm tall by 300 mm wide by 400 mm deep (circa 47 x 12 x 16"). A gas burner with a defined flame is installed in a way that its axis is tilted by 45° in reference to the vertical. The flame hits the cable sample about 100 mm/4" above the lower end for about 1 – 2 minutes, depending on the weight of the sample. The test is successful if the test sample did not burn or if the flame that resulted extinguished itself and the damage caused by the heat of the flame did not reach the top end of the tested cable sample.

FRNC test type C (≙ IEC 60322-1-3)

Cable samples, each measuring 360 cm/14" in length, are fastened side by side to a ladder-like test rack. This test rack is inserted vertically into a kiln, at a distance of 150 mm/6" to the back of the kiln. The flame is directed right against the flame samples at a height of approximately 60 cm/2 ft., at a temperature of approximately 800°C/1472°F, by a burner about 250 mm/10" wide. The exposure time is 20 minutes. The test is successful if the ensuing flame extinguishes itself and the damage caused by the heat of the flame did not reach the top end of the tested cable sample.

CPR

Since July 1st, 2017, cables and lines, which are permanently installed in buildings, have been subject to the **European Construction Products Directive EU Regulation 305/2011**. It implements a grid for a **harmonized pan-European classification of fire classes** according to **flame retardancy, smoke development** and **halogen-free** operations. Cables with the **CPR** Button (CPR= **Construction Products Regulation**) comply with the general fire protection regulations of the European CPR (= **Construction Products Regulation**) in the (additionally specified) Eca, Dca, Cca or Bca classifications. Without further indications the cable must be allocated to the Fca category.

PUR

A PUR jacket is extremely tough, especially resistant to the cold (-40°C/-40°F), yet remains easy to wind even at below-freezing temperatures. At **SOMMER CABLE** we usually give our cables a halogen-free PUR jacket, which, aside from the above-mentioned advantages, is very heat and sunlight tolerant. This jacket is a little more expensive than the standard PUR formulation, but it is now required or preferred by almost all German broadcasting companies and professional installers.

E30

E30 designates a fire protection class based on **DIN VDE 0815/DIN VDE 4102 (Part 12)** which represents improved performance in case of a fire compared with common FRNC cables, for example. In compliance with this norm, **E30** guarantees proper cable performance for **30 minutes**. Please note, that it is not possible to manufacture all cables according to **E30** or even **E90**, because the insulation on some cables does not comply with the norm stated above.

TERRA

This cable has a special jacket mixture made of **PE** that is suitable for **underground installation**. Please note, that a PE jacket does not automatically make a cable suitable for underground installation, because this type of cable must be specifically designed to withstand the pressures under ground. However, all **SOMMER CABLEs** with this symbol are suitable for underground installation.

ARAMID

Aramid fibers (acronym for "aromatic polyamide") are heat-resistant and incredibly strong synthetic fibers with a very high melting point (>500 °C / >932 °F) and a very low elongation. They are mostly used in aerospace, in the military sector for armors, for the reinforcement of hulls or in ballistic vests. In a cable they can be used as **strain relief**, as **thermal insulation** or **anti-rodent protection**. Depending on the kind of stranding, the aramid fibers also have a positive impact on the number of bending cycles or the attenuation or capacitance of a cable. The aramid fibers can be integrated either in a stranded bundle, loose or firmly baked in the jacket material.

AQUA

All cables marked with the **AQUA** button are **longitudinally watertight up to 20 bars of water pressure** or **transversely watertight (AQUA MARINEX series)**. The special PUR jacket keeps water and other fluids from penetrating the surface and prevents longitudinal dispersion in case of cable damage. The watertight jacket is also robust enough to accept the installation of high-pressure end connectors which are inevitably needed to prevent moisture from entering the cable. Due to its combination of a special saltwater-resistant PUR jacket and a protective tape, the **AQUA MARINEX** cable series can be permanently installed under water. Penetrating water would not only speed up the oxidation process, but due to the effect of capillary action it would also alter the damping and other relevant electrical values. Here, video cables and other coaxial cable types are especially affected (e.g., when used for cameras and video monitors). With orders of at least 2000 m/6500 ft. almost all of our cables can be made with a longitudinally or transversely watertight jacket.



The foamed insulation employed in some cables and lines is considered very fragile and under severe strain will be adversely affected by clamping and chuck strain relief systems. In particular with XG/HD-SDI video or AES/EBU cables the resulting attenuation losses may have fatal consequences. Many of these common lines are unsuitable for permanent flexible use, since too many bending cycles will cause the foamed insulation to deteriorate. In these higher-end lines **SOMMER CABLE** therefore relies on a special manufacturing process for the insulation called **HD-SGS (High Density Skin/Gas/Skin)**. Here the PE or PP insulation is physically or chemically gas-injected and then cross-linked, sealed or smoothed both on the outer skin and in the inner core (which is in contact with the copper wire). This procedure yields the best possible electrical values, and these values are retained even under severe strain. In our **SPIRIT LLX** high-end guitar cable and the **ASTRAL LLX** high-end SAT cable this cross-linkage was even implemented into the carbon screen.

OFC

SOMMER CABLE mostly uses oxygen-free (OFC) or low-oxygen copper. For your information: Copper has a specific resistance of 0.0178 Ω per meter at a cross-section of 1 mm²/AWG17. The purer the metal, the smoother it is (high bending cycles!) and the more consistent this value will remain over the years.



The **Pur Master Blend** is a cable jacket formula that is based on a polyurethane component that was especially developed for **SOMMER CABLE**. The jacket on the **PMB** can handle abuse and the cold (-40°C/-40°F) and is free of adhesion with a surface that is easy to clean. **PMB** offers the toughness and temperature resistance of **PUR** and the flexibility of **PVC**. **PMB** is not halogen-free or flame-retardant.



This jacket is a granular blend based on a PVC formula developed exclusively for **SOMMER CABLE**. **S-PVC** is a super soft PVC with the feel and flexibility of a soft rubber cable, but significantly more resistant to notching and cold temperatures than most standard PVC jackets. While most cable jacket mixtures already start tearing during mobile application in temperatures of -10°C/-14°F, the S-PVC withstands temperatures of -30°C/-22°F.



This is a special procedure used by **SOMMER CABLE** to compensate for the typical tendency to bend created automatically during stranding of multipair cables. Simplified this means: To produce a torsion-free cable, expensive and complex stranding machines are needed to counter-strand outer pairs against the core. Doing so produces a multi-conductor cable that can be wound a thousand times or twisted into a figure-8 without knotting or buckling. All multipair cables identified with the **X-TORSION** logo are suitable for extremely high bending cycles (e.g., floor cables). They are recommended for professional broadcasting and event technology.



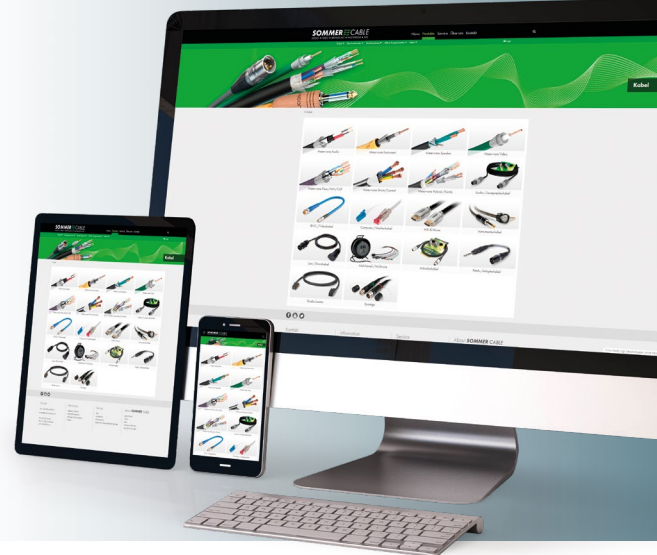
With high-resolution image and video data transmission in particular, cable performance plays an important role. Products marked with this button allow the **high data transmission rate** of 10 or 40 gigabits per second.

Dear customers and interested readers,

apart from our topical comprehensive range of **bulkware cables**, we also offer many other solutions in the field of professional, high-quality cables and connection technology. Here we focus on the audio, video, broadcast, studio technology and media engineering sectors. In addition to the **cable bulkware**, our range including our home brands HICON, CARDINAL DVM and SYSBOXX also comprises quite a lot of **connectors, connection cables** for the most diverse applications, individually configurable **distribution systems** as well as **electronic components**.

For your convenience all current **catalogs & flyers** are available **online** so you can directly **flip through** and **browse** them or **order your free copy**:
<https://www.sommercable.com/order-catalog>

Moreover, there is also our **24/7 B2B shop** with over **25.000 products** waiting for you. You will receive your access data by phone under +49 7082 491330 or via e-mail to info@sommercable.com



Scan the **QR code** and flip through our online catalogs – happy browsing and discovering!

Our product world



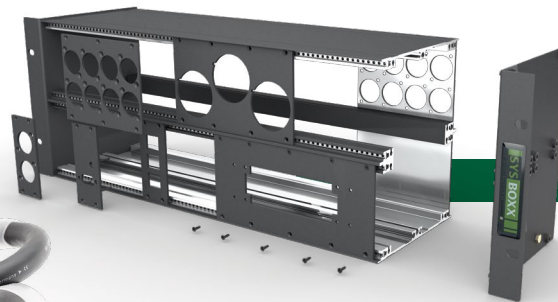
Ready-made Cables



Connectors



Multicore & Power Distribution Systems



SYSBOXX
THE MODULAR SYSTEM BY SOMMER CABLE

Modular Systems



Electronics



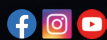
Mechanics & Accessories

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BULK CABLE – AUDIO












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ABLE Germany

OVERVIEW BULK CABLE AUDIO

									
Name:	STAGE 22 HIGHFLEX	CLUB SERIES MKII	SC-SOURCE MKII HIGHFLEX	SC-PRIMUS	SC-SYMBIOTIC/ SYMBIOTIC 3	SC-GALILEO 238 & 238 PLUS	SC-MICRO-STAGE	SC-CLUB RED ZILK & BLACK ZILK	SC-SILVER STAGE
Page:	21	21	22	22	23	23	24	24	25
Type:	Microphone cable						Microphone cable AES/EBU		Studio microph. cable AES/EBU
Jacket-Ø (outer dimension) [mm]:	6.4/6.5	6.5	6.5	6.7	5.2	7.0	5.8	7.3	6.4
Conductor construction [mm ²]:	2 x 0.22 AWG24	2 x 0.34 AWG22	2 x 0.25 AWG23	2 x 0.50 AWG20	2/3 x 0.20 AWG24	2 x 0.38 AWG21	2 x 0.14 AWG26	2 x 0.25 AWG23	2 x 0.22 AWG24
Insulation:	PE	PE	PE	PE	PE/PP	PE	Foam/Skin-PE	HD-PP	Foam/Skin-PE
Copper spiral shield./double copper spiral shield.:	■/-		■/-	■/-	-/■	-/■	■/-	■/-	■/-
Copper-cross mesh shielding:		■							
Foil shield/fleece shield, conductive:			■/■	-/■					
Carbon shield:								■	
Drain wire:									
Aramid strain relief:									
Digital:							■	■	■
Halogen-free/FRNC/PUR:		-/■/-	■/■/■	-/■/-	■/-/■				
CPR classification:									
AQUA/E30/TERRA/ARAMID:									
Mobile/Installation/ELA:	■/■/-	■/■/■	■/■/■	■/■/■	■/■/-	■/■/-	■/■/-	■/■/-	■/■/-
Shielding factor:	99 %	95 %	100 %	100 %	100 %	100 %	95 %	100 %	99 %
Capacitance cond./cond. per 1 m [pF]:	68	58	60	80	95	50	48	50	53
Capacitance cond./shield. per 1 m [pF]:	130	115	110	145	130	100	120	100	103
Shielding resistance per 1 km [Ω]:	30	25	25	27	25	20	30	10	17.6
Conductor resistance per 1 km < [Ω]:	87	55	78	37	94	52	130	78	42

Color:	Type:	ORDER NO.								
■ black	PVC	200-0001	200-0051	200-0101	200-0151	200-0601	200-0251	200-0371	-	200-0011
	PVC, semi-transparent	-	-	-	-	-	-	-	200-0711	-
	PUR, halogen-free	-	-	201-0101	-	-	-	-	-	-
	FRNC, halogen-free	-	200-0051F	200-0101F	200-0151F	-	-	-	-	-
	without imprint	200-0001NE	200-0051NE	-	-	-	-	-	-	-
	TPE, 3-wire	-	-	-	-	200-0601H3	-	-	-	-
	Plus version	-	-	-	-	-	200-0271	-	-	-
■ blue	PVC	200-0002	200-0052	200-0102	200-0152	-	-	200-0372	-	-
■ red	PVC	200-0003	200-0053	200-0103	-	-	-	-	-	-
■ wine-red	PVC	-	-	-	-	-	-	-	200-0713	-
■ grey	PVC	200-0006	-	-	-	-	-	-	-	-
■ yellow	PVC	200-0007	-	-	-	-	-	-	-	-
■ green	PVC	200-0004	-	-	-	-	-	-	-	-
■ violet	PVC	200-0008	-	-	-	-	-	-	-	-
■ vintage tweed	PVC/Tweed	-	200-0057V	-	-	-	-	-	-	-
■ olive green	PVC	200-008M	-	-	-	-	-	-	-	-

Our range of cable bulkware is continuously updated – you will find the latest status incl. all hi-fi cables in our webshop.














Name:	SC-CARBOKAB 225	SC-SQUARE 4-CORE MKII HIGHFLEX	SC-OCTAVE TUBE	SC-AQUA MARINEX MIKRO	TEMPOFLEX MICROPHONE	SC-MICRO DUO ARAMID	SC-SEMICOLON 4 ARAMID	SC-SCUBA 14 HIGHFLEX	SC-GOBLIN
Page:	25	26	26	27	27	28	28	29	29
Type:	Studio microph. cable AES/EBU	Studio microphone cable		Microphone cable transversely watertight AES/EBU	Microphone cable hightemp AES/EBU	Microphone cable, aramid reinforced AES/EBU	Patch and microphone cable aramid reinforced AES/EBU	Patch and microphone cable	
Jacket-Ø (outer dimension) [mm]:	7.6	6.5	6.5	4.6 / 7.2	7.3	8.5	5.7	3.8	4.6
Conductor construction [mm ²]:	2 x 0.25 AWG23	4 x 0.20 AWG24	5x0.14(AWG26)+ 2x0.50(AWG20)	2x0.14(AWG26)/ 2x0.25(AWG23)	2 x 0.34 AWG22	2 x 2 x 0.14 AWG26	4 x 0.14 AWG26	2x0.14 AWG26	2 x 0.14 AWG26
Insulation:	HD-PP	PE	PE	PVC/PUR	Cross linked Polyolefin	Foam/Skin-PE	PE	PE	PE
Copper spiral shield./double copper spiral shield.:		■/-	■/-	■/■		■/-	■/-		■/-
Copper-cross mesh shielding:	■				■			■	
Foil shield/fleece shield, conductive:	-/■	-/■	-/■						-/■
Carbon shield:									
Drain wire:	■								
Aramid strain relief:					■	■	■		
Digital:	■			■	■	■	■		
Halogen-free/FRNC/PUR:				■/-/■			■/-/■		
CPR classification:									
AQUA/E30/TERRA/ARAMID:				■/-/-/-	-/-/-/■	-/-/-/■	-/-/-/■		
Mobile/Installation/ELA:	■/■/-	■/■/-	-/■/-	■/■/■	■/■/■	■/■/-	■/■/-		-/■/-
Shielding factor:	100 %	100 %	100 %	95 %	100 %	95 %	90 %	90 %	100 %
Capacitance cond./cond. per 1 m [pF]:	46	65	69	65/50	50	51	45	65	65
Capacitance cond./shield. per 1 m [pF]:	90	120	120	190	90	101	80	130	120
Shielding resistance per 1 km [Ω]:	10	20	17	29.1/23.8	14	38		30	30
Conductor resistance per 1 km < [Ω]:	78	98	140	141/78	62	135	140	135	140

Color:	Type:	ORDER NO.								
■ black	PVC	200-0281	200-0301	-	-	-	200-0171	-	200-0311	200-0351
	PVC, without imprint	-	200-0301NE	-	-	-	200-0171NE	-	-	-
	PUR	-	-	-	-	-	-	520-0151	-	-
	PUR, 0.14 mm ²	-	-	-	200-0141AQ	-	-	-	-	-
	PUR, 0.25 mm ²	-	-	-	200-0241AQ	-	-	-	-	-
	TPE	-	-	-	-	200-0051T	-	-	-	-
■ blue	PVC	-	-	-	-	-	-	-	-	200-0352
■ red	PVC	-	-	-	-	-	-	-	200-0313	200-0353
■ grey	PVC	-	-	-	-	-	-	-	200-0316	200-0356
■ dark grey	PVC	-	-	200-0186	-	-	-	-	-	-
□ white	PVC	-	-	-	-	-	-	-	-	200-0350
	PVC, without imprint	-	-	-	-	-	-	-	-	200-0350NE
	PUR, 0.14 mm ²	-	-	-	200-0140AQ	-	-	-	-	-
■ yellow	PVC	-	-	-	-	-	-	-	200-0317	-
■ green	PVC	-	-	-	-	-	-	-	200-0314	-

BULK CABLE - AUDIO

Name:	SC-CICADA SO-D14	SC-CICADA 4	SC-PEACOCK MKII	SC-ISOPOD SO-F22	SC-ISOPOD SO-F50	TRICONE MKII	TRICONE XXL	SC-SPIRIT	SC-SPIRIT XXL
Page:	30	30	31	31	31	32	32	33	33
Type:	Patch and microphone cable		Patch and microphone cable AES/EBU	Balanced patch cable		Instrument cable	Instrument and Guitar cable	Guitar cable high end	
Jacket-Ø (outer dimension) [mm]:	2.6	3.4	4.5x9.2	3.3	4.2	5.9	5.9	7.0	6.8
Conductor construction [mm ²]:	2x0.14 AWG26	4x0.14 AWG26	2x2x0.22 AWG24	2x0.22 AWG24	2x0.50 AWG21	1x0.22 AWG24	1x0.50 AWG20	1x0.50 AWG20	1x0.75 AWG18
Insulation:	PE	PE	Foam/Skin-PE	PE	PE	Foam/Skin-PE	Foam/Skin-PE	Foam/Skin-PE	Foam/Skin-PE
Copper spiral shield./double copper spiral shield.:	■/-	■/-	■/-			■/-			
Copper-cross mesh shielding:							■	■	■
Foil shield/fleece shield, conductive:				■/-	■/-				
Carbon shield:						■	■	■	■
Drain wire:	■	■		■	■				
Digital:			■						
Halogen-free/FRNC/PUR:	-/-■	-/-■		-/■/-					
CPR classification:									
AQUA/E30/TERRA/ARAMID:									
Mobile/Installation/ELA:	-/■/-	-/■/-	■/■/-	-/■/-	-/■/-	■/■/-	■/■/-	■/■/-	■/■/-
Shielding factor:	95 %	95 %	95 %	100 %	100 %	100 %	100 %	100 %	100 %
Capacitance cond./cond. per 1 m [pF]:	65	75	70	74	100				
Capacitance cond./shield. per 1 m [pF]:	120	140	125	143	160	85	85	78	86
Shielding resistance per 1 km [Ω]:	30	39	36	75	75				
Conductor resistance per 1 km < [Ω]:	148	145	90	88	39	90	90	39	25

Color:	Type:	ORDER NO.								
■ black	PVC	-	-	200-0551	200-0401	-	300-0021	300-0271	300-0051	-
	PVC, without imprint	-	-	-	-	-	300-0021NE	-	-	-
	PUR	200-0451	200-0461	-	-	-	-	-	-	-
	transparent	-	-	-	-	-	-	-	-	300-0071
	FRNC	-	-	-	200-0401F	-	-	-	-	-
■ blue	PVC	-	-	200-0552	200-0402	-	300-0022	300-0272	-	-
■ red	PVC	-	-	-	200-0403	-	300-0023	300-0273	-	-
■ grey	PVC	-	-	-	200-0406	201-0406	-	-	-	-
	PVC, 110 Ohm	-	-	-	500-0406	-	-	-	-	-
■ green	PVC	-	-	-	200-0404	-	300-0024	-	-	-
□ white	PVC	-	-	-	200-0400	-	-	300-0270	-	-
	PVC, without imprint	200-0450NE	-	-	-	-	-	-	-	-
■ yellow	PVC	-	-	-	200-0407	-	-	-	-	-
■ orange	PVC	-	-	-	200-0405	-	-	-	-	-
■ violet	PVC	-	-	-	200-0408	-	-	-	-	-









									
Name:	SC-SPIRIT XS	SC-SILVER SPIRIT	SC-SPIRIT BLACK ZILK	SC-SPIRIT LLX	SC-CLASSIQUE	COLONEL INCREDIBLE	SC-CORONA	TRICONE SYMASYM	SC-STRATOS
Page:	34	34	35	35	36	36	37	37	38
Type:	Instrument and Guitar cable high end	High-end instrument/ audio cable	High-end guitar/ instrument cable	Low-loss guitar/ instrument cable	Vintage guitar cable	Guitar cable high end	Instrument/ hi-fi AF-phonos cable	Instrument/ patch/ audio combo cable	Instrument/ hi-fi/ phono cable
Jacket-Ø (outer dimension) [mm]:	5.8	7.4	7.2	7.2	6.5	7.2	6.7	11.3 (overall)	8.5
Conductor construction [mm ²]:	1 x 0.75 AWG18	1 x 0.22 AWG24	1 x 0.25 AWG24	1 x 0.38 AWG21	1 x 0.50 AWG20	2 x 0.35 AWG22	1 x 0.50 AWG20	1 x 0.22 + 1 x (2 x 0.14) AWG24/26	1 x 0.34 AWG22
Insulation:	Foam/ Skin-PE	Foam/ Skin-PE	Foam/ Skin-PE	Foam/ Skin-PVC	Foam/ Skin-PE	PE	PE	Foam/Skin-PE (Instrument), PE (Audio)	PE/PP
Copper spiral shield./double copper spiral shield.:			■/-					■/- (Audio)	
Copper-cross mesh shielding:	■	■		■	■	■	■	■ (Instrument)	■
Foil shield/fleece shield, conductive:									
Carbon shield:	■	■	■	■	■		■	■ (Instrument)	■
Drain wire:								■ (Audio)	
Digital:									
Halogen-free/FRNC/PUR:									
CPR classification:									
AQUA/E30/TERRA/ARAMID:									
Mobile/Installation/ELA:	■/■/-	■/■/-	■/■/-	■/■/-	■/-/-	■/■/-		■/■/-	-/■/-
Shielding factor:	90%	94%	100%	93%	100%	100%	100%	100%	100%
Capacitance cond./cond. per 1 m [pF]:						41		68 (Audio)	
Capacitance cond./shield. per 1 m [pF]:	76	78	80	52	78	130	78	85 (Instrument)/ 120 (Audio)	75
Shielding resistance per 1 km [Ω]:								30 (Audio)	
Conductor resistance per 1 km < [Ω]:	25	41	90	48	36	55	36	91 (Instrument)/ 136 (Audio)	53

BULK CABLE - AUDIO

Color:	Type:	ORDER NO.								
■ black	PVC	-	300-0011	-	300-0091	-	-	-	301-1101	-
	semitransparent	-	-	300-0351	-	-	-	-	-	-
■ brown	transparent	300-0061	-	-	-	-	-	-	-	-
■ olive green	PVC	-	-	-	-	-	300-008M	-	-	-
□ transparent	PVC	-	-	-	-	-	-	800-0079	-	-
■ grey	PVC	-	-	-	-	-	-	-	-	800-0056
■ tweed-yellow	PVC	-	-	-	-	300-0117	-	-	-	-
■ black-white	PVC	-	-	-	-	300-0110	-	-	-	-
■ black-blue	PVC	-	-	-	-	300-0112	-	-	-	-

Name:	SC-ONYX TYNEE	SC-ONYX 2008	SC-ONYX 2025 MKII	SC-SINUS CONTROL	SC-SEMICOLON 2 AES/EBU PATCH	SC-SEMICOLON 4 AES/EBU PATCH	SC-PEACOCK AES/EBU	SC-BINARY 234 AES/EBU MKII
Page:	38	39	39	39	40	40	40	41
Type:	Instrument and patch cable			Instrument cable	AES/EBU & DMX cable			
Jacket-Ø (outer dimension) [mm]:	4,0	2.6 x 5.9	3.8 x 8.3	6.2 x 15	5.0	5.2	4.5 x 9.2	6.2/5.6
Conductor construction [mm ²]:	1 x 0.22 AWG24	2 x 1 x 0.08 AWG28	2 x 1 x 0.25 AWG24	2 x 1 x 0.35 + 1 x 0.35 AWG22	2 x 0.22 AWG24	4 x 0.14 AWG26	2 x 2 x 0.22 AWG24	2 x 0.34 AWG22
Insulation:	PE	PE-HD	PE	Foam/ Skin-PE	Foam/ Skin-PE	Foam/ Skin-PE	Foam/ Skin-PE	Foam/ Skin-PE
Copper spiral shield./double copper spiral shield.:	■/-	■/-	■/-	■	■/-	■/-	■/-	■/-
Copper-cross mesh shielding:				■				
Foil shield/fleece shield, conductive:				■/-	■/■	-/■		-/■
Carbon shield:								
Drain wire:								
Digital:					■	■	■	■
Halogen-free/FRNC/PUR:					■/■/-	■/-/■		■/■/-
CPR classification:								
AQUA/E30/TERRA/ARAMID:								
Mobile/Installation/ELA:	-/■/-	-/■/-	-/■/-	-/■/-	-/■/-	-/■/-	-/■/-	■/■/■
Shielding factor:	95 %	90 %	90 %	100 %	100 %	100 %	95 %	100 %
Capacitance cond./cond. per 1 m [pF]:					45	40	70	63
Capacitance cond./shield. per 1 m [pF]:	125	120	120	75	95	80	125	115
Shielding resistance per 1 km [Ω]:							36	28
Conductor resistance per 1 km < [Ω]:	85	220	115	53	80	140	90	53

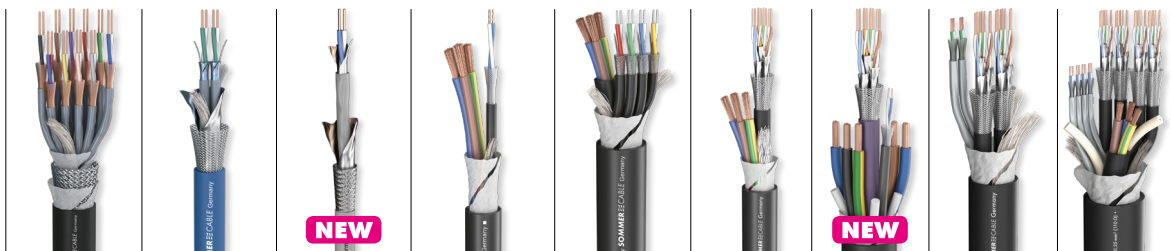
Color:	Type:	ORDER NO.							
■ black	PVC	300-0031	320-0061	320-0101	320-0251	520-0101	520-0141	200-0551	520-0051
	FRNC	-	-	-	-	-	-	-	520-0051F
	PUR	-	-	-	-	-	521-0141	-	-
	PUR-BLEND	-	-	-	-	-	-	-	521-0051
■ grey	PVC	-	-	-	-	-	-	-	520-0056
■ blue	PVC	-	-	320-0102	320-0252	520-0102	-	-	520-0052
	S-PVC	-	-	-	-	-	-	200-0552	-
	FRNC	-	-	-	-	520-0102F	-	-	-
□ white	PVC	-	-	-	-	-	520-0140	-	-

								
Name:	SC-BINARY 434 DMX512	SC-BINARY 422 TP DMX512	SC-KOLORITH 1	SC-KOLORITH MINI	SC-QUANTUM HIGHFLEX	SC-MISTRAL	SC-TRANSFER HIGHFLEX	SC-PEGASUS
Page:	41	42	42	42	43	44	45	46
Type:	AES/EBU & DMX cable		BUS control cable		Multipair Stage, Studio & Installation	Multipair Studio, Installation	Multipair Stage + OB VAN	Multipair Studio High End
Jacket-Ø (outer dimension) [mm]:	7.0	8.0	7.4	6.5	8.5–29.0	9.0–26.8	9.9–21.8	13.5–21.0
Color of outer jacket:	■ ■	■ ■	■	■	■	■	■	■
Conductor construction [mm²]:	4x0.34 AWG22	4x0.22 AWG24	2x0.35+Netz AWG21	2x0.25+Netz AWG23	x2x0.14 AWG26	x2x0.22 AWG24/7	x2x0.14 AWG26	x4x0.20 AWG24
Insulation:	PE	Foam/ Skin-PE	PP	PP	Skin-PE	Foam/Skin-PE	PE/TPC-ET	Foam/Skin-PE
Copper spiral shield./double copper spiral shield.:	■	■			■/-		■/-	■/-
Copper-cross mesh shielding:	■	■					■	■
Foil shield/fleece shield/Drain wire:	■/-/-	■/-/-	■/-/■	■/-/■		■/-/■		■/-/-
Carbon shield:								
Drain wire:								
Digital:	■	■	■	■	■	■		■
Halogen-free/FRNC/PUR:	■/■/-		■/■/-	■/■/-		-/■/-	-/■/■	
CPR classification:	Cca		Dca	Eca				
AQUA/E30/TERRA/ARAMID:	-/-/■/-	-/-/■/-						
Mobile/Installation/ELA:	■/■/■	■/■/■	■/■/■	■/■/■	■/■/-	■/■/-	■/■/-	■/■/-
Shielding factor:	100 %	100 %	100 %	100 %	99 %	100 %	90 %	100 %
Capacitance cond./cond. per 1 m [pF]:	58	45	65	73	45	46	85	37
Capacitance cond./shield. per 1 m [pF]:	100	110	104	115	90	85	140	76
Conductor resistance per 1 km < [Ω]:	15	15	25	30		75	125	
Leiterwiderstand bei 1 km < [Ω]:	53	87	60	78	138	80	138	100

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No. of Channels:	Type:	ORDER NO.				Ø[mm]	ORDER NO.	Ø[mm]	ORDER NO.	Ø[mm]	ORDER NO.	Ø[mm]	ORDER NO.
• 2	S-PVC	-	-	-	-	8.5	100-0451-02	9.0	100-0101-02	-	13.5	100-0501-02	
• 4	S-PVC	-	-	-	-	10.2	100-0451-04	11.0	100-0101-04	-	15.4	100-0501-04	
	FRNC (black)	-	-	-	-	-	-	11.0	100-0101-04F	-	-	-	
• 8	S-PVC	-	-	-	-	13.8	100-0451-08	14.8	100-0101-08	-	21.0	100-0501-08	
	PUR, Master Blend	-	-	-	-	-	-	-	-	9.9	100-0401-08	-	
	FRNC (black)	-	-	-	-	-	-	15.0	100-0101-08F	-	-	-	
• 12	S-PVC	-	-	-	-	16.0	100-0101-12	17.6	100-0101-12	-	-	-	
	PUR, Master Blend	-	-	-	-	-	-	-	-	11.5	100-0401-12	-	
	FRNC (black)	-	-	-	-	-	-	16.9	100-0101-12F	-	-	-	
• 16	S-PVC	-	-	-	-	17.5	100-0451-16	19.4	100-0101-16	-	-	-	
	PUR, Master Blend	-	-	-	-	-	-	-	-	14.5	100-0401-16	-	
• 24	S-PVC	-	-	-	-	21.5	100-0451-24	24.5	100-0101-24	-	-	-	
• 32	S-PVC	-	-	-	-	24.0	100-0451-32	26.8	100-0101-32	-	-	-	
	PUR, Master Blend	-	-	-	-	-	-	-	-	18.6	100-0401-32	-	
• 48	S-PVC	-	-	-	-	29.0	100-0451-48	-	-	-	-	-	
	PUR, Master Blend	-	-	-	-	-	-	-	-	21.8	100-0401-48	-	

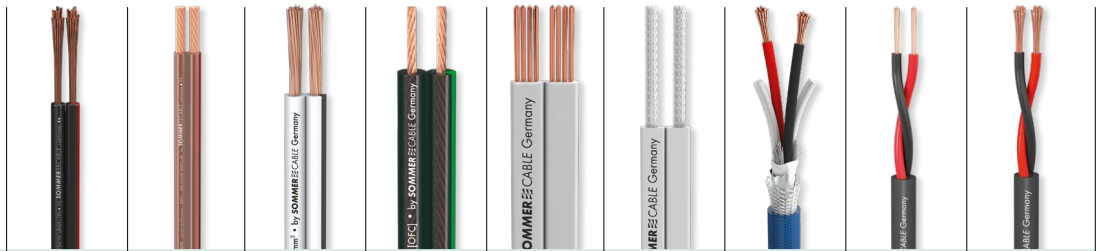
Color:	Type:	ORDER NO.										
■ black	PVC	540-0051	-	500-0101-1	-	-	-	-	-	-	-	-
	PVC, mini	-	-	-	500-0111-1	-	-	-	-	-	-	
	S-PVC	-	542-0051	-	-	-	-	-	-	-	-	
	FRNC/CPR	540-0051FC	-	500-0101-1FC	-	-	-	-	-	-	-	
	FRNC/CPR, mini	-	-	-	500-0111-1FC	-	-	-	-	-	-	
	PUR-BLEND	541-0051	-	-	-	-	-	-	-	-	-	
■ grey	PVC	540-0051PE	-	-	-	-	-	-	-	-	-	
■ blue	S-PVC	-	542-0052	-	-	-	-	-	-	-	-	



Name:	SC-AURA DMCK	SC-MATRIX	SC-LOGICABLE MP	SC-MONOLITH POWER DMX	SC-MONOLITH POWER DMX HV	SC-MONOCAT 110 C + 111 C	SC-MONOCAT 121C	SC-MONOCAT 202+POWER 212	SC-MONOCAT POWER 414
Page:	47	48	49	50/51		52/53	52/53	52/53	52/53
Type:	Compact-Multipair	Câble de mod. multipaire	Multipair Mod. Cable, fixed installation	AES/EBU, DMX & POWER Hybrid Cable		Network, DMX & Power combo cable			
Color:	■	■	■	■	■	■	■	■	■
Jacket-Ø (outer dimension) [mm]:	12.2 – 14.4	10.0 – 21.5	5.5 – 27.0	9.5 – 13.5	16.0 – 18.0	13.8/16.0	17.3	15.6/21.8	27.0
Conductor construction [mm ²]:	10 x 2 x 0.15 AWG26	x 2 x 0.25 AWG23	x 2 x 0.57 AWG23/1	x 2 x 0.14/0.25+P AWG26/ AWG23+P	x 2 x 0.14/0.22+P AWG26/ AWG23+P	3x2.5 + 4x2x0.14 (+2x2x0.22)	5x2.5+ 4x2x0.14 +1x2x0.14	(3x2.5)+ 2x4x2x0.14/0.57 +2x2x0.25	3x2.5+ 4x4x2x0.57+ 4x2x0.25
Insulation:	PE	Foam/Skin-PE	Foam/Skin-PE	Foam/Skin-PE/ PE	Foam/Skin-PE/ PE	Foam/Skin-PE	Foam/Skin-PE	Foam/Skin-PE	Foam/Skin-PE
Copper spiral shield.:	■			■ (0.14)	■ (0.14)		■	■	
Double spiral Cu screen:									
Copper-cross mesh shielding:	■	■	■	■ (0.25)	■ (0.22)	■	■ (CAT)	■	■
Foil shield/fleece shield/Drain wire:		■/-/-	■/-/■			■/-/-	■/-/-	■/-/-	■/-/-
Digital:	■	■	■	■	■	■	■	■	■
Halogen-free/FRNC/PUR:	-/■/-	-/■/-	■/■/-					■/■/■	
CPR classification:			Dca						
AQUA/E30/TERRA/ARAMID:		-/-/■/-							
Mobile/Installation/ELA:	■/■/-	-/■/■	-/■/■	■/■/-	■/■/-	■/■/-	■/■/-	■/■/-	■/■/-
Shielding factor:	90 %	100 %	100 %	85 %/95%	85%/90 %	100 %	100 %	100 %	100 %
Capacitance cond./cond. per 1m [pF]:	55	46	43	53 61 52	52 52 53	44 (CAT)	44 (CAT)	44 (CAT)	44 (CAT)
Capacitance cond./shield. per 1m [pF]:	160	105	83	93 123 97	89 89 93				
Conductor resistance per 1 km < [Ω]:	130	72	82	130 73 140	80 78 130	143	143	80	80

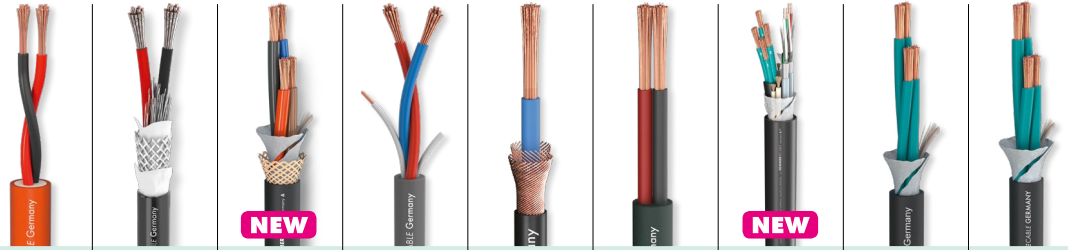
No. of Channels:	Type:	Ø [mm]	ORDER NO.	Ø [mm]	ORDER NO.	Ø [mm]	ORDER NO.					
• 1	FRNC / CPR	-	-	5.5	100-1156-01C	-	-	-	-	-	-	-
• 2	HM2 Test Type C	-	10.0	100-0302-02	-	-	-	-	-	-	-	-
	FRNC / CPR	-	-	9.0	100-1156-02C	-	-	-	-	-	-	-
• 4	HM2 Test Type C	-	11.9	100-0302-04	-	-	-	-	-	-	-	-
	FRNC / CPR	-	-	11.1	100-1156-04C	-	-	-	-	-	-	-
• 6	FRNC / CPR	-	-	12.4	100-1156-06C	-	-	-	-	-	-	-
• 8	HM2 Test Type C	-	15.5	100-0302-08	-	-	-	-	-	-	-	-
	FRNC / CPR	-	-	14.0	100-1156-08C	-	-	-	-	-	-	-
• 10	PVC	14.4	100-0351-10	-	-	-	-	-	-	-	-	-
	FRNC / CPR	12.2	100-0351-10F	-	15.3	100-1156-10C	-	-	-	-	-	-
• 12	HM2 Test Type C	-	18.5	100-0302-12	-	-	-	-	-	-	-	-
	FRNC / CPR	-	-	17.2	100-1156-12C	-	-	-	-	-	-	-
• 16	HM2 Test Type C	-	21.5	100-0302-16	-	-	-	-	-	-	-	-
• 20	FRNC / CPR	-	-	22.6	100-1156-20C	-	-	-	-	-	-	-
• 24	FRNC / CPR	-	-	23.6	100-1156-24C	-	-	-	-	-	-	-
• 32	FRNC	-	-	27.0	100-1156-32	-	-	-	-	-	-	-

Type:	ORDER NO.									
1xDMX+POWER, COMPACT, PVC	-	-	-	502-0051-1	-	-	-	-	-	-
1xDMX+POWER, PVC	-	-	-	500-0051-1	-	-	-	-	-	-
2xDMX+POWER, PVC	-	-	-	500-0051-2	500-0281-2	-	-	-	-	-
4xDMX+POWER, PVC	-	-	-	500-0051-4	500-0281-4	-	-	-	-	-
8xDMX+POWER, PVC	-	-	-	-	500-0281-8	-	-	-	-	-
1xCAT+POWER, PVC	-	-	-	-	-	500-0151-1	-	-	-	-
1xCAT+1xDMX+POWER, PVC	-	-	-	-	-	502-0141-1	500-0131-1	-	-	-
2xCAT+2xDMX, PVC	-	-	-	-	-	-	-	500-0161-2	-	-
2xCAT+2xDMX+POWER, PVC	-	-	-	-	-	-	-	500-0191-2	-	-
2xCAT+2xDMX+POWER, PUR-FRNC	-	-	-	-	-	-	-	501-0191-2	-	-
4xCAT+4xDMX+POWER, PVC	-	-	-	-	-	-	-	-	-	500-0191-4



Name:	SC-NYFAZ	SC-TWINCORD	SC-PRISMA	SC-ORBIT 225/240 MKII	SC-TRIBUN	SC-FLUKOS „SF“	SC-DUAL & QUADRA BLUE	SC-MERIDIAN MOBILE	SC-MERIDIAN INSTALL
Page:	54	54	55	55	56	56	57	58	59
Type:	Installation Cable	Speaker Cable				Speaker Cable High-End		Speaker Cable Mobile	Speaker Cable Installation
Jacket-Ø (outer dimension) [mm]:	4.5 x 2.3 – 10.2 x 4.4	4.5 x 2.3 – 11.2 x 5.5	8.0 x 3.6 – 9.8 x 4.5	10.2 x 4.8 12 x 5.9	12.8 x 2.4 – 17.5 x 3.0	8.6 x 1.3	15.5 15.5	6.8 – 10.0	6.8 – 11.2
Conductor construction [mm ²]:	2x0.75 – 2x4.0 AWG18–11	2x0.75 – 2x6.0 AWG18–9	2x1.5 – 2x4.0 AWG15–11	2x2.5 2x4.0 AWG13/11	2x1.5 – 2x4.0 AWG15–11	2x0.50 AWG20	2x4.0 4x4.0 AWG11.2	2x1.5/2.5/ 4.0/6.0 AWG16–10	2x1.5/2.5/ 4.0/6.0 AWG16–10
Conductor insulation:	PVC	PVC		PVC	PVC	PVC	Skin PE	PVC	FRNC /SIL
Copper spiral shield.:									
Double copper spiral shield.:									
Copper-cross mesh shielding:							■		
Foil shield/fleece shield, conductive:									
Carbon shield:									
Digital:									
Halogen-free/FRNC/PUR:									■/■/–
CPR classification:									Cca
Mobile/Installation/ELA:	–/■/■	–/■/–	–/■/–	–/■/–	–/■/■	–/■/■	–/■/–	■/–/■	–/■/■
Shielding factor:									
Capacitance cond./cond. per 1 m [pF]:	140 / 160	56 – 67	60	60 / 55	60 / 56	60	65	150 – 125	150 – 125
Capacitance cond./shield. per 1 m [pF]:									
Conductor resistance per 1 km < [Ω]:				7.8 / 4.5	13.3 – 4.9		4.5	13 – 3.3	13 – 3.3

Color:	Type:	ORDER NO.								
□ weiß	2 x 0.50 mm ²	–	–	–	–	–	462-0100-205	–	–	–
	2 x 0.75 mm ²	420-0075-WS	–	–	–	–	–	–	–	–
	2 x 1.5 mm ²	420-0150-WS	–	401-0150-WS	–	415-0310	–	–	415-0050NE	–
	2 x 2.5 mm ²	–	–	401-0250-WS	–	425-0310	–	–	425-0050	–
	2 x 4.0 mm ²	–	–	401-0400-WS	–	440-0310	–	–	–	–
■ black	2 x 0.75 mm ²	420-0075-SW	–	–	–	–	–	–	–	–
	2 x 1.5 mm ²	420-0150-SW	–	–	–	–	–	–	415-0051	–
	2 x 1.5 mm ² , FRNC	–	–	–	–	–	–	–	–	415-0051F
	2 x 1.5 mm ² , FRNC/Cca	–	–	–	–	–	–	–	–	415-0051FC
	2 x 2.5 mm ²	420-0250-SW	–	–	–	–	–	–	425-0051	–
	2 x 2.5 mm ² , PUR	–	–	–	–	–	–	–	425-0051P	–
	2 x 2.5 mm ² , FRNC	–	–	–	–	–	–	–	–	425-0051F
	2 x 2.5 mm ² , FRNC/Cca	–	–	–	–	–	–	–	–	425-0051FC
	2 x 4.0 mm ²	420-0400-SW	–	–	–	–	–	–	440-0051	–
	2 x 4.0 mm ² , FRNC/Cca	–	–	–	–	–	–	–	–	440-0051FC
2 x 6.0 mm ² , FRNC/Cca	–	–	–	–	–	–	–	–	460-0051FC	
■ black, transparent	2 x 2.5 mm ²	–	–	–	425-0151	–	–	–	–	–
	2 x 4.0 mm ²	–	–	–	440-0151	–	–	–	–	–
■ blue	2 x 4.0 mm ²	–	–	–	–	–	–	485-0052-240	–	–
	4 x 4.0 mm ²	–	–	–	–	–	–	485-0052-440	–	–
■ grey	2 x 1.5 mm ²	–	–	–	–	–	–	–	415-0056	–
	2 x 1.5 mm ² , FRNC (shielded)	–	–	–	–	–	–	–	–	415-0056FG
	2 x 2.5 mm ²	–	–	–	–	–	–	–	425-0056	–
	2 x 2.5 mm ² , FRNC (shielded)	–	–	–	–	–	–	–	–	425-0056FG
	2 x 4.0 mm ²	–	–	–	–	–	–	–	440-0056	–
	2 x 4.0 mm ² , FRNC (shielded)	–	–	–	–	–	–	–	–	440-0056FG
2 x 6.0 mm ²	–	–	–	–	–	–	–	460-0056	–	
□ transparent	2 x 0.75 mm ²	–	400-0075	–	–	–	–	–	–	–
	2 x 1.5 mm ²	–	400-0150	–	–	–	–	–	–	–
	2 x 2.5 mm ²	–	400-0250	–	–	–	–	–	–	–
	2 x 4.0 mm ²	–	400-0400	–	–	–	–	–	–	–
	2 x 6.0 mm ²	–	400-0600	–	–	–	–	–	–	–



Name:	SC-MERIDIAN E30	SC-AQUA MARINEX SPEAKER 225-240	SC-AQUA MARINEX EL	SC-ECLIPSE SPQ240 MKII	SC-MAGELLAN SPK	MAJOR INVISIBLE	SC-ELEPHANT ROBUST DMX	SC-ELEPHANT	SC-ELEPHANT ROBUST
Page:	59	60	60	61	61	62	62	63	64
Type:	Speaker Cable Installation	Speaker Cable transversely watertight	Speaker Cable Aramid reinforced	Speaker Cable					
Jacket-Ø (outer dimension) [mm]:	11,9/12,8	8,2/11,2	13,0/18,0	9,5	6,0/8,0/11,2	7,8	19,5	8,6 – 15,3	11,0 – 20,5
Conductor construction [mm ²]:	2x2,5/4,0	2x2,5/4,0	4x4,0/8,0	2x4,0+1x0,5	2x2,5/2x4,0/2x6,0	2x2,5	4x4,0 + 2x2x0,22	4x1,5/2,5/6,0 8x2,5	4/8/16x4,0
Insulation:	AWG13/11	AWG13/11	AWG11	AWG11/20	AWG13/12/10	AWG13	AWG11/24	AWG15 – 13	AWG11
Copper spiral shield./double copper spiral shield.:	FRNC/SIL	PO/PE	PE	PVC	PVC/FRNC	PVC	PVC	PVC/FRNC	PVC/FRNC
Copper-cross mesh shielding:		■			-/■		■		
Foil shield/fleece shield/carbon shield:							■		
Drain wire:									
Digital:							■		
Halogen-free/FRNC/PUR:	■/■/-	■/-/■	■/-/■		■/■/-			■/■/-	■/■/■
CPR classification:								Cca	Cca
AQUA/E30/TERRA/ARAMID:	-/■/-/-	■/-/-/-	■/-/-/■						
Mobile/Installation,ELA:	-/■/■	■/■/■	■/■/■	■/■/■	-/■/■	■/-/■	■/■/■	■/■/■	■/■/■
Shielding factor:		85%			100 %		100 %		
Capacitance cond./cond. per 1 m [pF]:	136/125	90/80	90	136	150/140/130	136	45		
Capacitance cond./shield. per 1 m [pF]:							77		
Shielding resistance per 1 km [Ω]:		16,2/8,1			9,0/5,5/3,5				
Conductor resistance per 1 km < [Ω]:	7,5/4,5	8,21/5,09	4,95	4,5	7,8/5,0/3,3	7,5	4,95/90	12,6 – 3,3	4,5

Color:	Type:	ORDER NO.								
■ black	2 x 2.5 mm ² , PVC	-	-	-	-	425-0201	-	-	-	-
	2 x 2.5 mm ² , FRNC	-	-	-	-	425-0201F	-	-	-	-
	2 x 2.5 mm ² , PUR	-	425-0241AQ	-	-	-	-	-	-	-
	2 x 4.0 mm ² , PVC	-	-	-	-	440-0201	-	-	-	-
	2 x 4.0 mm ² , FRNC	-	-	-	-	440-0201F	-	-	-	-
	2 x 4.0 mm ² , PUR	-	440-0241AQ	-	-	-	-	-	-	-
	2 x 6.0 mm ² , FRNC	-	-	-	-	460-0201F	-	-	-	-
	4 x 1.5 mm ² , PVC	-	-	-	-	-	-	-	490-0051-415	-
	4 x 2.5 mm ² , PVC	-	-	-	-	-	-	-	490-0051-425	-
	4 x 2.5 mm ² , FRNC/CCa	-	-	-	-	-	-	-	490-0051-425FC	-
	8 x 2.5 mm ² , PVC	-	-	-	-	-	-	-	490-0351-825	-
	8 x 2.5 mm ² , FRNC/CCa	-	-	-	-	-	-	-	490-0051-825FC	-
	4 x 4.0 mm ² , PVC	-	-	-	-	-	-	-	-	490-0051-440
	4 x 4.0 mm ² , FRNC/CCa	-	-	-	-	-	-	-	-	490-0051-440FC
	4 x 4.0 mm ² , PUR	-	-	490-0231-440AQ	-	-	-	-	-	490-0251-440
	4x4.0 mm ² +2x2x0.22mm ² , PVC	-	-	-	-	-	-	490-0151-442	-	-
	8 x 4.0 mm ² , PVC	-	-	-	-	-	-	-	-	490-0351-840
	8 x 4.0 mm ² , FRNC/CCa	-	-	-	-	-	-	-	-	490-0051-840FC
8 x 4.0 mm ² , PUR	-	-	490-0231-840AQ	-	-	-	-	-	490-0351-840P	
24 x 4.0 mm ² , PVC	-	-	-	-	-	-	-	-	490-0051-2440	
4 x 6.0 mm ² , FRNC/CCa	-	-	-	-	-	-	-	490-0051-460FC	-	
■ dark grey	2 x 4.0 mm ² , PVC	-	-	-	440-0256	-	-	-	-	-
■ orange	2 x 2.5 mm ² , E30	425-0055E30M	-	-	-	-	-	-	-	-
	2 x 4.0 mm ² , E30	440-0055E30M	-	-	-	-	-	-	-	-
■ olive green	2 x 2.5 mm ² , PVC	-	-	-	-	425-008M	-	-	-	-

MICROPHONE CABLE

BALANCED

STAGE 22 HIGHFLEX CAPTAIN FLEXIBLE

STAGE MOBILE INSTALL
 ANALOG OFC



Sectional drawing

One thick coat ...

will protect the interior against mechanical wear, such as pulling, tugging, kinking and knotting. For this reason we have fitted the **STAGE 22** with a thick 6.4 mm/0.252" outer jacket. The electrical data and the technical construction are also worth a look: Because of the fine, densely stranded single wires, the **STAGE 22** offers low capacitance and high bending cycles. The shielding, made of bare copper wires, has 99% optical coverage (instead of the usual 85%). Thus, the **STAGE 22** is the ideal cable for stage, home recording, rental companies and ELA-100V applications. The **STAGE 22** is a very affordable cable that doesn't cut corners. For burial underground and for the off-road terrain, we deliver the **CAPTAIN FLEXIBLE** (Order No.: 200-008M) with a tighter wire stranding and an extra thick outer jacket with a 6.5 mm/0.256" diameter.

FREE SAMPLE AVAILABLE!



Ø mm
6.4

Shielding
99%

mm²
2x0.22



Offroad version:
CAPTAIN FLEXIBLE
(Order No.: 200-008M)

APPLICATIONS:

- Stage application
- Home recording

PRODUCT ADVANTAGES:

- High transmission quality due to the use of fine stranding
- Very rugged owing to the thick, soft PVC jacket
- Good protection due to dense copper spiral shielding
- High flexibility makes it easy to reel
- Very affordable price

TECHNICAL DATA

Construction:	(2LI2Y0.22 mm ²)DY
Jacket, diameter:	PVC 6.4 mm / off-road 6.5 mm
Inner conductors:	2 x 0.22 mm ² (AWG24)
Copper strands per conductor:	28 x 0.10 mm
Conductor insulation:	PE 1.40 mm
Shielding:	Copper spiral shielding with 0.10 mm indiv. strands
Shielding factor:	99%
Temperature range:	-20°C...+70°C
Fire load per m:	0.22 kWh
Weight per 1 m:	44 g
Packaging:	100/500 m spool

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	68 pF
Capac. cond./shield. per 1 m:	130 pF
Cond. resistance per 1 km:	< 87 Ω
Shield. resistance per 1 km:	< 30 Ω
Insulation resist. per 1 km:	> 1 GΩ
Surge impedance:	approx. 100 Ω

COLOR ORDER NO.

■ black	200-0001
■ blue	200-0002
■ red	200-0003
■ green	200-0004
■ icy grey	200-0006
■ yellow	200-0007
■ violet	200-0008
■ black, without imprint	200-0001NE
■ olive green, off-road	200-008M



📄 x00001

MICROPHONE CABLE

BALANCED

CLUB SERIES MKII

STAGE MOBILE STUDIO INSTALL ELA
 ANALOG FRNC OFC



Sectional drawing

No blood running through those veins ...

yet a whole lot of life. A wire gauge of 2 x 0.34 mm²/AWG22 is impressive and the electrical data speaks for itself. A cable that provides great performance data at an excellent price, used for stage and studio settings. The large cross section and the low capacitance guarantee outstanding transmission quality, even over longer distances. The shielding, made of bare copper wires, has a 95% optical coverage (instead of the usual 85%). The robust, rubber-like, matt outer sleeve is preferred by performing musicians and guarantees outstanding flexibility even in the lowest temperatures.

Now also available in an FRNC version!

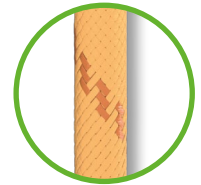
FREE SAMPLE AVAILABLE!



Ø mm
6.5

Shielding
95%

mm²
2x0.34



VINTAGE TWEED
version with cloth mesh
(Order No.: 200-0057V)

APPLICATIONS:

- Stage application
- Studio operation
- Fixed installation

PRODUCT ADVANTAGES:

- High transmission quality through the use of oxygen-free copper strands with a large wire gauge of 2 x 0.34 mm²/AWG22
- Very low capacitance due to PE insulation
- Good protection due to the dense copper-braided shielding
- High flexibility makes it easy to wind

TECHNICAL DATA

Construction:	(2LI2Y0.34 mm ²)CY
Jacket, diameter:	PVC/FRNC 6.5 mm
Inner conductors:	2 x 0.34 mm ² (AWG22)
Copper strands per conductor:	19 x 0.15 mm
Conductor insulation:	PE 1.50 mm
Shielding:	Copper-braided shielding with 0.15 mm indiv. strands
Shielding factor:	95%
Temperature range:	-25°C...+70°C
Fire load per m:	0.22 kWh
Weight per 1 m:	48 g
Packaging:	100/500 m spool

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	58 pF
Capac. cond./shield. per 1 m:	115 pF
Cond. resistance per 1 km:	< 55 Ω
Shield. resistance per 1 km:	25 Ω
Insulation resist. per 1 km:	> 1 GΩ
Surge impedance:	approx. 100 Ω

COLOR ORDER NO.

■ black	200-0051
■ blue	200-0052
■ red	200-0053
★ black, FRNC	200-0051F
■ black, without imprint	200-0051NE
■ vintage tweed	200-0057V



📄 x00002

MICROPHONE CABLE

BALANCED, OUTDOOR, BROADCAST

SC-SOURCE MKII HIGHFLEX

STAGE
 MOBILE
 STUDIO
 INSTALL
 ELA
 HIFI
 ANALOG
 FRNC
 HALOGEN-FREE
 PUR
 OFC

Choruses of praise ...

from cable connoisseurs have made this cable a bestseller. Originally this microphone cable was developed for manufacturers of professional studio microphones. Their demands for top quality helped us design a professional and yet affordable studio microphone cable. The **SC-SOURCE** is 100% shielded due to the use of a dense copper spiral shielding and a rugged braided fleece around the wire pairs (FRNC version with AL foil). The fleece has been vaporized on both sides with a conductive aluminum layer. This guarantees the 100% shielding will last even with strong wear. This cable should be used wherever electrical sources could interfere with audio and data transmission. Cables with similar excellent values cost almost twice as much as our competitors. The fine 0.05 mm/AWG44 copper stranding (PVC version) makes it a very popular cable for outdoor use and mobile applications.

FREE SAMPLES AVAILABLE!
Sectional drawing see website.

STRONG
SPVC

Ø mm
6.5

Shielding
100%

mm²
2x0.25

APPLICATIONS:

- Professional studio and microphone technology
- Outdoor transmission/OB vans
- Fixed-installation stage use

PRODUCT ADVANTAGES:

- Neutral and loss-free audio transmission due to special copper strand design
- 100% shielding due to dense copper spiral shielding and an extra AL fleece/AL foil
- Professional technology at a budget price
- Available in an abrasion-proof cold-resistant PUR version

TECHNICAL DATA

Construction:	(2LI2Y0.25 mm ²)(ST)DY
Jacket, diameter:	6.5 mm
Jacket material:	Standard in PVC/FRNC version according to Test Type C
Inner conductors:	2 x 0.25 mm ² (AWG23)
Copper strands per conductor:	PVC/PUR: 128 x 0.05 mm / FRNC: 32 x 0.10 mm
Conductor insulation:	PE 1.55 mm
Shielding:	PVC/PUR: copper spiral sleeve tin-plated 95% + AL-fleece FRNC: copper spiral sleeve tin-plated 95% + AL foil
Shielding factor:	100%
Temperature range:	-25°C...+70°C
Fire load per m:	0.21 kWh
Weight per 1 m:	48 g
Packaging:	100/500 m spool

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	60 pF
Capac. cond./shield. per 1 m:	110 pF
Cond. resistance per 1 km:	< 78 Ω
Shield. resistance per 1 km:	25 Ω
Insulat. resistance per 1 km:	> 200 MΩ

COLOR

COLOR	ORDER NO.
■ black	200-0101
■ blue	200-0102
■ red	200-0103
★ black, FRNC	200-0101F
★ black, PUR, halogen-free	201-0101



MICROPHONE CABLE

BALANCED, LONG-DISTANCE

SC-PRIMUS

STAGE
 MOBILE
 STUDIO
 INSTALL
 ELA
 ANALOG
 FRNC
 HALOGEN-FREE
 OFC

The marathon runner ...

doesn't have it easy. He must keep on running. Our cables, too, must cover great distances in the sports arena. But they are lying, not running. A cross section of 2 x 0.50 mm²/AWG20 makes this cable ideal for theaters, public buildings, etc. Because of its 100% shielding and its thick outer jacket the **SC-PRIMUS** is also recommended for installation in discos and night clubs. It is unaffected by nicotine's aggressiveness and high temperature fluctuations. Performing artists swear by this cable and rental agencies prefer the **SC-PRIMUS** because of its sturdiness and intrinsic torsion, making manual wind-up a cakewalk. Also available in a halogen-free and flame-retardant FRNC version (in accordance with test type C).

FREE SAMPLES AVAILABLE!
Sectional drawing see website.

Ø mm
6.7

Shielding
100%

mm²
2x0.50

APPLICATIONS:

- Broadcasting and OB van technology, building installation
- Professional studio technology
- Tough stage application
- Installation in discos, coffee shops, sporting events

PRODUCT ADVANTAGES:

- Optimum transmission quality even at greater lengths thanks to the large wire gauge of 2 x 0.50 mm²/AWG20
- 100% shielding due to dense copper spiral shielding and extra metallic fleece
- Great durability due to the thick PVC or FRNC jacket with a diameter of 6.7 mm/0.264"
- Easy to reel and good tensile strength

TECHNICAL DATA

Construction:	(2LI2Y0.50 mm ²)(ST)DY
Jacket, diameter:	6.7 mm
Inner conductors:	2 x 0.50 mm ² (AWG20)
Copper strands per conductor:	28 x 0.15 mm
Conductor insulation:	PE 1.65 mm
Shielding:	Copper spiral sleeve tin-plated + metallic fleece
Shielding factor:	100%
Temperature range:	-25°C...+70°C
Fire load per m:	0.23 kWh
Weight per 1 m:	53 g
Packaging:	100/500 m spool

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	80 pF
Capac. cond./shield. per 1 m:	145 pF
Cond. resistance per 1 km:	37 Ω
Shield. resistance per 1 km:	27 Ω
Insulation resist. per 1 km:	> 1GΩ

COLOR

COLOR	ORDER NO.
■ black	200-0151
■ blue	200-0152
★ black, FRNC	200-0151F





MICROPHONE CABLE

BALANCED, BROADCASTING

SC-SYMBIOTIC / SC-SYMBIOTIC 3

MOBILE
 STUDIO
 INSTALL
 ANALOG
 PUR
 OFC
 HALOGEN-FREE (TPE-Version)

Bet that ...

you can hear this cable on the radio? We've added the **SC-SYMBIOTIC** to our product range to meet the demands of our ambitious broadcast and sound engineers. They appreciate the extremely dense, double spiral shielding made of oxygen-free copper, the small diameter and the impressive flexibility we have achieved with the extremely fine stranded construction of 102 x 0.05 mm/AWG44 single stranded wires. The **SC-SYMBIOTIC** was custom-designed according to specifications set forth by broadcasting stations all over the world. Because of its minimal weight, the **SC-SYMBIOTIC** is also ideal for use with gooseneck microphones. For permanent installation and mobile applications, we recommend the halogen-free version of the **SC-SYMBIOTIC** and the low-temperature version in compliance with VDE 0472/part 815. The 3-wire version, with a halogen-free and cold-resistant outer jacket (compliant with VDE0472/part 815), has an extra wire which, when connected, allows the shell grounds of the XLR connectors to be linked. This wiring scheme is standard, and sometimes even compulsory with some TV and radio stations. Of course, this wire can also be used for transmitting supply voltage.

FREE SAMPLES AVAILABLE!
Sectional drawing see website.



MICROPHONE CABLE

BALANCED, BROADCASTING

SC-GALILEO 238 & 238 PLUS

STAGE
 MOBILE
 STUDIO
 INSTALL
 ANALOG
 OFC

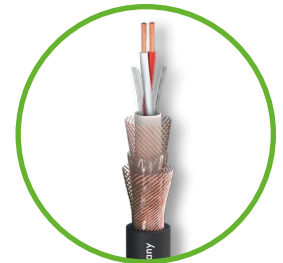


Sectional drawing

Dual screen ...

shields better. Just like the **SC-SYMBIOTIC**, but a little bit more exclusive due to the dual reversely stranded copper spiral shielding and the wire pairs embedded in PVC. This makes it even more flexible. Because of the thicker wire diameter (2 x 0.38 mm²/AWG21), it is suitable for distances greater than 100 meters/ 300 feet. This cable is technically sophisticated and may be the best microphone cable on the world market. Your recording clients will be impressed with its low-noise performance! In the **SC-GALILEO 238 Plus** (Order No. 200-0271) the double-reverse copper spiral shieldings have been individually insulated using non-conductive sheathing. This separation of grounding shields is common practice in professional sound studios and in broadcasting.

FREE SAMPLES AVAILABLE!



SC-GALILEO 238 PLUS

APPLICATIONS:

- Professional radio, TV and studio technology
- Outdoor transmission (TPE)
- Permanent indoor and outdoor installation in public buildings
- Ideal for use with gooseneck microphones

PRODUCT ADVANTAGES:

- Designed according to German radio and BBC specifications
- Extremely flexible due to the fine stranded construction (102 x 0.05 mm/AWG44 single strand wires)
- Small diameter for inconspicuous installation
- Perfectly shielded against RF interference

TECHNICAL DATA

	SYMBIOTIC	SYMBIOTIC 3
Construction:	(2LI2Y0.20 mm ²)YDDY	(3LI2Y0.20 mm ²)YDDY
Jacket, diameter:	5.2 mm	TPE 5.2 mm
Jacket material:	Standard in PVC / TPE-Version in TPE	
Inner conductors:	2 x 0.20 mm ² (AWG24)	3 x 0.20 mm ² (AWG24)
Copper strands per conductor:	102 x 0.05 mm	102 x 0.05 mm
Conductor insulation:	PE 1.30 mm	PP 1.30 mm
Shielding:	Double copper spiral, counter-rotating	
Shielding factor:	100%	100%
Temperature range:	-30°C...+70°C	-30°C...+70°C
Fire load per m:	0.13 kWh	0.11 kWh
Weight per 1 m:	38 g	58 g
Packaging:	100/500 m spool	100/500 m spool

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	95 pF	95 pF
Capac. cond./shield. per 1 m:	130 pF	130 pF
Cond. resistance per 1 km:	< 94 Ω	< 90 Ω
Shield. resistance per 1 km:	25 Ω	25 Ω
Insulat. resistance per 1 km:	> 200 MΩ	> 200 MΩ

COLOR

- black, PVC
- ★ black, TPE, 3-wire

ORDER NO.

- 200-0601**
- 200-0601H3**



☎ x00006

APPLICATIONS:

- Highly professional studio and stage technology
- Demanding OB van technology for radio and broadcasting
- First-class hi-fi connection (red and white conductors on pin 1, separate shielding)

PRODUCT ADVANTAGES:

- Extremely long life and twist-proof due to the thick jacket and the wire pairs embedded in PVC
- Absolutely neutral and loss-free audio transmission due to the use of fine copper stranding
- Excellent protection due to the dense double-reverse spiral shielding
- Very flexible due to the tightly stranded conductors
- Loss-free transmission over long distances due to a large wire gauge of 2 x 0.38 mm²/AWG21

TECHNICAL DATA

Construction:	(2LI2Y0.38 mm ²)YDDY
Jacket, diameter:	PVC 7.0 mm
Inner conductors:	2 x 0.38 mm ² (AWG21)
Copper strands per conductor:	48 x 0.10 mm
Conductor insulation:	PE 1.55 mm
Shielding:	Double copper spiral, counter-rotating Version 238 Plus: + polyester tape
Shielding factor:	100%
Temperature range:	-30°C...+70°C
Fire load per m:	0.22 kWh
Weight per 1 m:	60 g
Packaging:	100 m spool

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	50 pF
Capac. cond./shield. per 1 m:	100 pF
Cond. resistance per 1 km:	< 52 Ω
Shield. resistance per 1 km:	20 Ω
Insulation resist. per 1 km:	> 1 GΩ
Surge impedance:	38 Ω

COLOR

- black
- black (Plus)

ORDER NO.

- 200-0251**
- 200-0271**



☎ x00008

MICROPHONE CABLE AES/EBU

BALANCED, STUDIO, STAGE, AES/EBU

SC-MICRO-STAGE

STAGE MOBILE INSTALL
 ANALOG DIGITAL OFC



Sectional drawing

The modest master ...

among the microphone cables is the new AES/EBU-capable **SC-MICRO-STAGE**. Though it may look somewhat inconspicuous at first sight, it splendidly meets the most essential requirements of today's live sound and the latest studio technology. It sports a soft PVC jacket that remains flexible when cold, it features low capacitance and is very easy to handle. The narrow cable diameter of 5.8 mm/0.228" is ideal for using 1/8" plugs and XLR connectors, which are popular world wide. When used as a patch or MIDI cable, it will occupy minimal space in your patchbay or home studio. Due to its tight, concentric stranding and foamed Skin PE wire insulation, the **SC-MICRO-STAGE** can effortlessly transmit analog and digital signals (110) over distances greater than 100 meters/328 ft.

For permanent installation we recommend the dual-screened **SC-SEMICOLON** Order No.: 520-0102.

FREE SAMPLE AVAILABLE!

Ø mm

5.8

Shielding

95%

mm²

2x0.14

APPLICATIONS:

- Stage application – Studio

PRODUCT ADVANTAGES:

- High transmission quality due to fine stranded wires
- Very robust due to a thick soft PVC jacket
- Well shielded with dense copper spiral shielding
- High flexibility makes it easy to reel

TECHNICAL DATA

Construction:	(2L12Y0.14 mm ²)DY
Jacket, diameter:	PVC 5.8 mm
Inner conductors:	2 x 0.14 mm ² (AWG26)
Copper strands per conductor:	18 x 0.10 mm
Conductor insulation:	Foam/Skin-PE 1.20 mm
Shielding:	Copper spiral shielding with 0.10 mm indiv. strand
Shielding factor:	95%
Temperature range:	-25°C...+70°C
Fire load per m:	0.22 kWh
Weight per 1 m:	50 g
Packaging:	100 / 500 m spool

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	48 pF
Capac. cond./shield. per 1 m:	120 pF
Cond. resistance per 1 km:	< 130 Ω
Shield. resistance per 1 km:	< 30 Ω
Insulation resist. per 1 km:	> 1 GΩ
Surge impedance:	110 Ω

COLOR

- black
- blue

ORDER NO.

200-0371
200-0372



x00005

MICROPHONE CABLE AES/EBU

BALANCED, STUDIO, STAGE, AES/EBU GAS-INJECTED

SC-CLUB RED ZILK & BLACK ZILK

MOBILE STUDIO INSTALL
 ANALOG DIGITAL OFC



For musicians with a clear view ...

we have developed the new **SC-CLUB RED ZILK** and **SC-CLUB BLACK ZILK** microphone cable. After the smashing success of the **ZILK instrument cable series**, now comes a high-quality microphone cable in a matching velvety, semi-transparent design. The cable is not only a real stylish eyecatcher, it is also noteworthy for its many attractive technical features, such as its AES/EBU conformity.

Like with instrument cable, we have fitted the **SC-CLUB RED ZILK** and **BLACK ZILK** microphone cables with a **dual screen** made of a tight helical meshwork and a conductive carbon semiconductor.

At a capacitance of 50 pF/m (15.2 pF/ft.) wire-to-screen, the capacitance is extremely low. The gas-injected insulation ensures **excellent attenuation values**, which makes the cable a reliable partner, especially for studio use, even with above-average transmission distances.

Furthermore the **SC-CLUB ZILK** is one of the most flexible microphone cables available anywhere.

FREE SAMPLE AVAILABLE!

Sectional drawing see website.

APPLICATIONS:

- Stylish in the studio, on stage, in jazz clubs, cabaret setting
- Highest-quality microphone cable for studio and live use

PRODUCT ADVANTAGES:

- Extremely flexible
- Low capacitance and attenuation due to gas-injected insulation
- AES/EBU and DMX compliant
- Upscale design enhances any environment

TECHNICAL DATA

Construction:	(2L12Y0.25 mm ²)(ST)CY
Jacket, diameter:	S-PVC 7.3 mm
Inner conductors:	2 x 0.25 mm ² (AWG23)
Copper strands per conductor:	65 x 0.07 mm
Conductor insulation:	HD-PP gas-injected 1.55 mm
Shielding:	Copper spiral shielding 95% + carbon semiconductor
Shielding factor:	100%
Temperature range:	-25°C...+70°C
Fire load per m:	0.20 kWh
Weight per 1 m:	70 g
Packaging:	100 m spool

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	50 pF
Capac. cond./shield. per 1 m:	100 pF
Cond. resistance per 1 km:	78 Ω
Shield. resistance per 1 km:	10 Ω
Insulation resist. per 1 km:	200 MΩ
Surge impedance:	110 Ω

COLOR

- wine-red
- black, semi-transparent

ORDER NO.

200-0713
200-0711



x00007

STUDIO MICROPHONE CABLE AES/EBU

BALANCED, SILVER-PLATED

SC-SILVER STAGE

MOBILE
 STUDIO
 INSTALL
 HIFI
 ANALOG
 DIGITAL
 OFC



Sectional drawing

When opinions differ ...

... silver-plated audio cables are often a topic for discussion. From a purely technical point of view, this precious metal has the best electrical conductivity of all metals.

As to their sonic impression, opinions on sense and nonsense of such cables often differ greatly. Here Sommer cable tries to shed a light into the darkness: those different opinions are because, due to the natural oxidation, silver is "alive". Unlike copper oxide, silver oxide is conductive, i.e. its electrical and mechanical properties can vary slightly over a longer period of time. This also causes alterations to the tone quality, which is why we can observe different audiophile impressions, and some musicians or hi-fi aficionados may perceive the sound of a silver cable as rather neutral, cool, or overly bright.

Such irritations and discussions must be avoided, of course. Therefore we use only tightly concentrically stranded class 6N (OFC 99.9999 %) copper litz wires for our **SC-SILVER STAGE**, which are then refined and smoothed with the finest quality silver alloy (935/1000). That way they offer a constant performance and can be processed with silver solder neatly and without electrical losses.

The **SC-SILVER STAGE** is equipped with the most up-to-date gas-injected and smoothed wire insulation.

FREE SAMPLE AVAILABLE!**APPLICATIONS:**

- Exquisite microphone cable for studio and stage
- Balanced cable for high-quality microphones, mixing consoles and patchbays
- Balanced cable for hi-fi applications

PRODUCT ADVANTAGES:

- Extremely clear, pure sound image
- Permanently neutral transmission, even after frequent use
- Flexible and robust outer jacket of a temperature-resistant PVC compound
- Wave impedance 120 ohms, within the AES/EBU tolerances

TECHNICAL DATA

Construction:	(2LI2Y x 0.22 mm ²) DY
Jacket, diameter:	Soft PVC 6.4 mm
Inner conductors:	2 x 0.22 mm ² (AWG24)
Copper strands per conductor:	28 x 0.10 mm, silver-plated
Conductor insulation:	Foam/skin PE 1.6 mm
Shielding:	Helical Cu mesh
Shielding factor:	99 %
Temperature range:	-20° C ... +60° C
Fire load per m:	0.22 kWh
Weight per m:	55 g
Packaging:	100 m / 500 m

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	53 pF
Capac. cond./shield. per 1 m:	103 pF
Cond. resistance per 1 km:	42 Ω
Shield. resistance per 1 km:	17.6 Ω
Insulat. resistance per 1 km:	1 GΩ
Surge impedance:	123 Ω

COLOR

■ black

ORDER NO.200-0011 **NEW**

x01658

STUDIO MICROPHONE CABLE AES/EBU

BALANCED, HIGH-END, WITH CONDUCTOR SMOOTHING

SC-CARBOKAB 225

MOBILE
 STUDIO
 INSTALL
 ANALOG
 DIGITAL
 OFC



Sectional drawing

Every now and then ...

manufacturers cook up new cable designs for the studio in an attempt to impress customers. They will do things like use solid wires as the inner conductors for the enhanced conductivity the surface layer affords, and employ a certain stranding technique for improved audio signal transmission. Nice theory, but in practice a solid wire has a lot of drawbacks. It is so hard that even the slightest movements can damage the insulation, and it is so inelastic that even a little bending can deform the copper surface. Tensile forces acting upon the connector pins must not be underestimated either. To overcome these problems, **SOMMER CABLE** has developed the new **SC-CARBOKAB 225** which incorporates conductor smoothing by applying highly compressed carbon directly to the concentrically stranded wires. This offers the same electrical benefits of a solid wire, but it stays flexible and ensures consistently excellent values. The good transmission properties of the **SC-CARBOKAB 225** also provide an absolutely linear sound image over long distances of up to 200 meters/650 feet. The shielding, with 100% optical coverage (AL fleece + copper braiding), is important, because you will hardly find any interference coming from peripheral devices (effect units, computers, synthesizers, etc.). For insulation, we use a special HD-PP formulation to attain the lowest possible capacitance values.

With this cable you are "state-of-the-art". End of story.

FREE SAMPLE AVAILABLE!**APPLICATIONS:**

- High-end studios and professional installation
- Demanding OB van technology for broadcasting applications
- First-rate hi-fi connections (red and white conductors on pin 1, separate shielding)

PRODUCT ADVANTAGES:

- Linear response thanks to the use of carbon conductor smoothing delivering the benefits of a solid wire
- Low capacitance due to the use of the HD-PP high-end insulating material
- Excellent shielding with copper braiding (+ drain wire) and AL fleece
- High conductivity due to the use of OFC 6 (oxygen-free class 6) copper

TECHNICAL DATA

Construction:	(2LI2Y0.25 mm ²)(ST)CY
Jacket, diameter:	7.6 mm
Jacket material:	S-PVC
Inner conductors:	2 x 0.25 mm ² (AWG23)
Copper strands per conductor:	65 x 0.07 mm
Conductor insulation:	HD-PP 1.55 mm
Shielding:	Copper braiding tin-plated 95% + AL-fleece + filler strand
Shielding factor:	100%
Temperature range:	-25°C...+70°C
Fire load per m:	0.22 kWh
Weight per 1 m:	75 g
Packaging:	100 m spool, per m

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	46 pF
Capac. cond./shield. per 1 m:	90 pF
Cond. resistance per 1 km:	< 78 Ω
Shield. resistance per 1 km:	< 10 Ω
Insulat. resistance per 1 km:	> 200 MΩ
Surge impedance:	110 Ω (±2%)

COLOR

■ black

ORDER NO.

200-0281



x00009



STUDIO MICROPHONE CABLE

BALANCED, QUAD CABLE, CROSSOVER, STUDIO

SC-SQUARE 4-CORE MKII HIGHFLEX

MOBILE STUDIO INSTALL HIFI
ANALOG OFC



Sectional drawing

The Tonemeister ...

sets the tone, and our cable sets the standard. The **SC-SQUARE** is an exceptional microphone cable that goes above and beyond expectations. Two wires are paired for optimum sound. This improves the crosstalk behavior. In studios, the cable is primarily used to provide phantom power or for noise suppression (for noise reduction a crosswise connection should be used, i.e. opposite wires **RED/WHITE** and **BLUE/YELLOW** are paired). A dense copper spiral shielding and an additional metallic fleece foil ensure superior protection. Because of its sophisticated design, this cable is also frequently found in discerning hi-fi studios where it delights the ear with its smooth linear response.

If you don't want to make any sonic or electrical compromises in the studio, then this is your cable!

For the 4-wire miniature version, see the chapter AES/EBU cables.

FREE SAMPLE AVAILABLE!

Ø mm
6.5

Shielding
100%

mm²
4x0.20

By the way, we are
a member of ...



APPLICATIONS:

- Professional studio and microphone technology
- Connection of effects units and control devices requiring a return signal
- Professional MIDI technology, transfer cable
- Audiophile interconnects for hi-fi

PRODUCT ADVANTAGES:

- Outstanding noise-rejection when each pair of opposing conductors are terminated together
- Suitable as a phantom power supply and stereo cable due to its two extra conductors
- Very good signal fidelity and linear response
- Extreme ruggedness and tensile strength due to the thick PVC jacket
- 100% shielding consisting of dense copper spiral stranded wrap plus additional layer of metallic fleece foil

TECHNICAL DATA

Construction:	(4LI2Y0.20 mm ²)(ST)DY
Jacket, diameter:	PVC 6.5 mm
Inner conductors:	4 x 0.20 mm ² (AWG24)
Copper strands per conductor:	102 x 0.05 mm
Conductor insulation:	PE
Shielding:	Copper spiral shielding tin-plated + conductive fleece-foil
Shielding factor:	100%
Temperature range:	-25°C...+70°C
Fire load per m:	0.22 kWh
Weight per 1 m:	53 g
Packaging:	100/500 m spool

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	65 pF (39 pF crossover)
Capac. cond./shield. per 1 m:	120 pF
Cond. resistance per 1 km:	< 98 Ω
Shield. resistance per 1 km:	< 20 Ω
Insulat. resistance per 1 km:	> 200 MΩ
Surge impedance:	< 95 Ω

COLOR

- black
- black, without imprint

ORDER NO.

200-0301
200-0301NE



x00011



STUDIO MICROPHONE CABLE

BALANCED, 7-WIRE, FOR TUBE MICROPHONES

SC-OCTAVE TUBE

STUDIO INSTALL
ANALOG OFC



Sectional drawing

Great flexibility ...

is found with our **SC-OCTAVE TUBE**, which has been custom-designed to connect tube microphones with their power supplies, or remote-controlled studio microphones with their control units. It has a total of seven conductors, two for the supply voltage and the others for switching between directivity patterns, sensor (measuring) line, heating, and the voltage supply for the tube capsule. These five conductors consist of 72 superfine 0.05 mm/AWG44 single wires and are responsible for linear response and a high degree of flexibility.

Since its combination of copper spiral shielding and AL fleece provides 100% coverage, the **SC-OCTAVE TUBE** is perfectly protected against all kinds of interference.

It is ideal for connecting Neumann, BPM, or Schoeps microphones.

FREE SAMPLE AVAILABLE!

Ø mm
6.5

Shielding
100%

mm²
5x0.14
+ 2x0.50

APPLICATIONS:

- Connection for tube microphones
- Also usable as a high-quality control line

PRODUCT ADVANTAGES:

- Audio and power signal in one cable
- 100% protection from interference
- High-quality, linear transmission
- Highly flexible

TECHNICAL DATA

Construction:	(5LI2Y0.14 mm ² +2LI2Y0.50 mm ²)(ST)DY
Jacket, diameter:	PVC 6.5 mm
Inner conductors:	5 x 0.14 mm ² (audio) (AWG26) 2 x 0.50 mm ² (control) (AWG20)
Copper strands per conductor:	72 x 0.05 mm (audio) 64 x 0.10 mm (control)
Conductor insulation:	PE
Shielding:	Copper spiral shielding tin-plated+ AL-fleece
Shielding factor:	100%
Temperature range:	-25°C...+70°C
Fire load per m:	0.20 kWh
Weight per 1 m:	58 g
Packaging:	per m

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	69 pF
Capac. cond./shield. per 1 m:	120 pF
Cond. resistance per 1 km:	140 Ω (audio), 39 Ω (control)
Shield. resistance per 1 km:	< 17 Ω
Insulat. resistance per 1 km:	> 200 MΩ

COLOR

- dark grey

ORDER NO.

200-0186



x00012

MICROPHONE CABLE AES/EBU 110 Ω, TRANSVERSELY WATERTIGHT

SALTWATER-RESISTANT, HALOGEN-FREE, 110 Ω AES/EBU

SC-AQUA MARINEX MICRO

STAGE
 MOBILE
 INSTALL
 ELA
 ANALOG
 DIGITAL
 AQUA
 HALOGEN-FREE
 PUR



Sectional drawing

Shower singers will be happy ...

about the new **AQUA MARINEX microphone cable** for permanent underwater use. The **AQUA MARINEX** microphone and AES/EBU cable is the standard installation cable in wet areas such as aquaparks and on boats. It ensures excellent audio signal transmission, and enables the triggering of visual effects. Particularly for long-term events such as lake night festivals, Christmas markets, sporting events, in the theater sector or OB vans, the **AQUA MARINEX** provides an ideal connection. To handle great water pressure and minimize mechanical stress and electrical interference, we have stabilized the wires internally and fitted the cable with two tight copper braidings which are insulated against each other. For safety purposes, one screen can be tied to the shell of the XLR connector. The cable is a bit stiffer than conventional PVC cables, on the one hand, but almost indestructible on the other.

MICRO 14, 2 x 0.14 mm², including **ARAMID reinforcement**, see webshop, Order No.: 200-0131AQ



Ø mm **4.6**
 Shielding **95%**
 mm² **2x0.14**

Ø mm **7.2**
 Shielding **95%**
 mm² **2x0.25**

APPLICATIONS:

- Maximum water depth of 50 m/160 ft. (MICRO 25)
- Demanding outdoor installation
- Digital control of visual effects
- Installation and usage near the coast and in shipbuilding
- Indoor and outdoor installation in leisure parks and on boats

PRODUCT ADVANTAGES:

- Saltwater and freshwater-resistant black and white outer jacket
- 110 Ω wave impedance, AES/EBU, DMX512
- Transversely watertight due to water-absorbing, pressure-compensating protective banding
- Cold-flexible and reelable
- UV-resistant and anti-microbial
- Shielded by two tight copper braidings, isolated from one another (MIKRO 25)

TECHNICAL DATA

	MICRO 14	MICRO 25
Jacket, diameter:	PUR-SR 4.6 mm	PUR-SR 7.2 mm
Inner conductors:	2 x 0.14 mm (AWG26)	2 x 0.25 mm ² (AWG23)
Copper strands per conductor:	18 x 0.10 mm	32 x 0.10 mm
Conductor insulation:	PVC 1.1 mm	PUR 1.6 mm
Shielding:	Cu spiral + special protective banding	2 x Cu spiral + special protective banding
Shielding factor:	95%	95%
Temperature range:	-40°C...+80°C	-40°C...+80°C
Max. water pressure:	2 bars	5 bars
Max. water depth:	20 m	50 m
Fire load per m:	0.18 kWh	0.27 kWh
Weight per 1 m:	30 g	65 g
Packaging:	per m	per m

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	65 pF	50 pF
Capac. cond./shield. per 1 m:	190 pF	190 pF
Cond. resistance per 1 km:	141 Ω	78 Ω
Shield. resistance per 1 km:	29.1 Ω	29.1 Ω
		23.8 Ω
Insulation resist. per 1 km:	1 GΩ	1 GΩ
Surge impedance:	110 Ω ± 3%	110 Ω ± 3%

COLOR

- white, PUR-SR 14
- black, PUR-SR 14
- black, PUR-SR 25

ORDER NO.

- 200-0140AQ**
- 200-0141AQ**
- 200-0241AQ**



MICROPHONE CABLE ARAMID HIGHTEMP / AES/EBU 110 Ω

BALANCED, WITH ARAMID STRAIN RELIEF, -20°C ... +110°C

TEMPOFLEX MICROPHONE

STAGE
 MOBILE
 INSTALL
 ELA
 ANALOG
 DIGITAL
 HALOGEN-FREE
 OFC
 ARAMID

Grab a vine, Jane ...!

Tarzan used vines to swing from tree to tree. Many clever stage technicians would use mic cables to let the mics dangle from the truss. As a cable manufacturer we approach the idea of dangling microphones as a special challenge. So we have developed a rugged microphone cable, tailor-made for use on all stages of the world. Perfect for the theater, musical backdrops and big live events.

Take a pair of conductors with thin 0.34 mm²/AWG22 copper stranded wires, braid several aramid strain relief elements around them and jacket the whole thing with a special TPE moulded sheath (Ø 7.3 mm/0.287") – and here it is, the microphone liana. This construction makes the cable sturdy, but how about its flexibility? Using a tinned copper mesh with dual-sided coating, we braided the shielding at an angle optimized for movement so that it spools easily on a cable reel, making it just as suitable for the daily rigors of the road as it is for permanent installations. The **TEMPOFLEX MICROPHONE** withstands temperatures between -20 °C and +110 °C / -4 °F and +230 °F.

FREE SAMPLE AVAILABLE!
Sectional drawing see website.



Ø mm **7.3**
 Shielding **100%**
 mm² **2x0.34**

APPLICATIONS:

- For rope winches at the theater
- Demanding stage applications
- Permanent installations (outdoor areas)

PRODUCT ADVANTAGES:

- Integrated Aramid strain relief elements
- Extremely heat-proof up to +110°C / +230°F
- High number of bending cycles, easy to reel
- AES/EBU-compliant

TECHNICAL DATA

Construction:	(2LI2X0.34 mm ² +2(ZN)2X)18YC18YC
Jacket, diameter:	TPE 7.3 mm
Inner conductors:	2 x 0.34 mm ² (AWG22)
Copper strands per conductor:	42 x 0.10 mm
Conductor insulation:	Cross linked Polyolefin
Shielding:	Copper braided shield., tin-plated, with 0.10 mm indiv. strand
Shielding factor:	95 %
Temperature range:	-20°C...+110°C
Fire load per m:	0.45 kWh
Max. strain relief:	25 kg
Weight per 1 m:	59 g
Packaging:	100/500 m spool

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	50 pF
Capac. cond./shield. per 1 m:	90 pF
Cond. resistance per 1 km:	62 Ω
Shield. resistance per 1 km:	14 Ω
Insulation resist. per 1 km:	> 1 GΩ
Surge impedance:	110 Ω

COLOR

- black

ORDER NO.

- 200-0051T**



MICROPHONE CABLE ARAMID DUO, AES/EBU

BALANCED, TWIN CABLE, WITH ARAMID STRAIN RELIEF

SC-MICRO DUO ARAMID

STAGE
 MOBILE
 STUDIO
 INSTALL
 ANALOG
 DIGITAL
 OFC
 ARAMID



All good things come from above ...

unless it's a falling microphone! To avoid future collateral damages at concert recordings, Sommer cable has developed the new twin-pair **SC-MICRO DUO ARAMID**. It's the perfect solution for surround and multi-channel recordings, especially when the microphone is hanging from the ceiling or the cable is exposed to strong tensile forces. To absorb the weight of the microphones, fillers made of braided aramid fibers have been incorporated as an extra strain relief. Compared to a steel rope, these have no negative impact on the electrical properties (e.g. the damping). Thus the **SC-MICRO DUO ARAMID** shines with a low capacitance, it is AES/EBU- and DMX-compliant (110 ohms) and, due to its concentrically braided OFC wires, ensures an optimized, neutral transmission.

FREE SAMPLES AVAILABLE!
Sectional drawing see website.

only
**STRONG
SPVC**

Ø mm
8.5

Shielding
95%

mm²
2x0.14

APPLICATIONS:

- High-quality microphone cable for surround recordings (ceiling mount)
- High-quality cable for studio connections
- Robust cable for audio looms and line wirings

PRODUCT ADVANTAGES:

- Aramid reinforcement for additional strain relief
- Highly flexible, cold-flexible and easy to reel
- Also available in a neutral version (w/o overprint): 200-0171NE
- Very low capacitance

TECHNICAL DATA

Construction:	[2(2LI2Y0,14 mm ²)DY] + [2(ZN)Y](ST)Y
Jacket, diameter:	S-PVC 8.5 mm, ARAMID reinforced
Inner conductors:	2 x 2 x 0.14 mm ² (AWG26)
Copper strands per conductor:	36 x 0.07 mm
Conductor insulation:	1.2 mm foam/skin PE
Shielding:	Tinned helical copper mesh per pair
Shielding factor:	> 95 %
Max. tensile strength:	100 kg (total) / 30 kg (per bundle)
Temperature range:	-20 °C ... +70 °C
Fire load per m:	1.16 kWh
Weight per 1 m:	76.8 g
Packaging:	Bulkware

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	51 pF
Capac. cond./shield. per 1 m:	101 pF
Cond. resistance per 1 km:	135 Ω
Shield. resistance per 1 km:	38 Ω
Insulat. resistance per 1 km:	200 MΩ
Surge impedance:	110 Ω

COLOR

- black
- schwarz, without imprint

ORDER NO.

200-0171 **NEW**
200-0171NE **NEW**



PATCH AND MICROPHONE CABLE ARAMID, AES/EBU

4-WIRE, BALANCED, WITH ARAMID STRAIN RELIEF

SC-SEMICOLON 4 ARAMID AES/EBU

STAGE
 MOBILE
 STUDIO
 INSTALL
 ANALOG
 DIGITAL
 PUR
 HALOGEN-FREE
 FRNC
 ARAMID

When everything's hanging by a thread ...

it will certainly make the sound engineer pretty nervous. Especially if the cable shall be used as the only support for a microphone, and no other safeguard is possible. To spare the tech from sleepless nights, **SOMMER CABLE** has developed a compact and durable version of an AES/EBU- and DMX-compliant microphone cable with an extra ARAMID fiber mesh worked into the outer jacket.

The ARAMID serves as an additional strain relief, greatly increases the number of bending cycles and turns this rather compact and inconspicuous microphone cable into a dependable workhorse which can take quite a lot in practical use. This design is particularly popular in broadcast and theater engineering, in connection with belt pull cable drums in OB vans or on theater stages.

FREE SAMPLES AVAILABLE!
Sectional drawing see website.

Ø mm
5.7

Shielding
90%

mm²
4x0.14

APPLICATIONS:

- Professional theater and radio or broadcasting technology
- Connections between effects devices and control units where a return signal is required
- Industrial and medical engineering
- Professional MIDI technology
- Controlling of light and scanner systems and displays

PRODUCT ADVANTAGES:

- Robust and durable microphone cable with high bending cycles due to the integration of a tight aramid braid in the outer jacket
- Compact and therefore space-saving

TECHNICAL DATA

Construction:	(4LI2Yx0.14 mm ²) + (2(ZN)Y)(ST)DY
Jacket, diameter:	PUR 5.7 mm, ARAMID reinforced
Inner conductors:	4 x 0.14 mm ² (AWG26)
Copper strands per conductor:	18 x 0.10 mm
Conductor insulation:	PE 1.2 mm
Shielding:	Tinned helical copper mesh
Shielding factor:	90 %
Max. tensile strength:	1400 N / 140 kg
Temperature range:	-40 °C ... +80 °C
Fire load per m:	0.18 kWh
Weight per 1 m:	40 g
Packaging:	100 m

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	45 pF
Capac. cond./shield. per 1 m:	80 pF
Cond. resistance per 1 km:	< 140 Ω
Insulat. resistance per 1 km:	> 500 MΩ
Surge impedance:	110 Ω

COLOR

- black

ORDER NO.

520-0151 **NEW**



PATCH AND MICROPHONE CABLE

BALANCED, LEMO-COMPATIBLE

SC-SCUBA 14 HIGHFLEX

STUDIO

ANALOG OFC



Sectional drawing

Through thick and thin ...

The new **SC-SCUBA 14 HIGHFLEX** will be right by your side. It is very thin, space-saving, flexible and ideally suited for connectors with a small diameter (LEMO patchboards, mini phone plugs, RCA, etc.). This makes it perfect for patch cables and rack cabling.

Their diameter and wire construction have been designed in accordance with broadcast standards and a dense copper braiding with 90% shielding coverage protects the cable from interference.

For easy identification we offer the **SC-SCUBA 14 HIGHFLEX** in five different jacket colors.

FREE SAMPLES AVAILABLE!

Ø mm
3.8

Shielding
90%

mm²
2x0.14

APPLICATIONS:

- Patch cabling (LEMO), gooseneck microphone cable
- Home recording
- Rack and console cabling

PRODUCT ADVANTAGES:

- Very thin, high tensile strength and flexibility
- Available in five different colors
- Good shielding due to dense copper braided shielding
- Very reasonable price

TECHNICAL DATA

Construction:	(2LI2Y0.14mm ²)CY
Jacket, diameter:	PVC 3.8 mm
Inner conductors:	2 x 0.14 mm ² (AWG26)
Copper strands per conductor:	18 x 0.10 mm
Conductor insulation:	PE 1.15 mm
Shielding:	Copper braiding with 0.10 mm indiv. strand tin-plated
Shielding factor:	90%
Temperature range:	-25°C...+70°C
Fire load per m:	0.09 kWh
Weight per 1 m:	25 g
Packaging:	100/500 m spool

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	65 pF
Capac. cond./shield. per 1 m:	130 pF
Cond. resistance per 1 km:	< 135 Ω
Shield. resistance per 1 km:	< 30 Ω
Insulation resist. per 1 km:	> 1 GΩ
Surge impedance:	approx. 100 Ω

COLOR ORDER NO.

■ black	200-0311
■ red	200-0313
■ green	200-0314
■ grey	200-0316
■ yellow	200-0317



x00014

PATCH AND MICROPHONE CABLE

BALANCED, TT-PHONE ETC.

SC-GOBLIN

STUDIO INSTALL

ANALOG OFC



Sectional drawing

Not less, but thinner ...

and because it is available in five colors, it is easy to identify. Otherwise, the technical and electrical construction is similar to the **SC-SOURCE**.

Due to the small diameter, it fits almost all current TT-phone and B-gauge connectors and can also be used for a Y-adapter cable. Based on the carefully constructed shielding, the cable also has the additional positive benefits of enormous compression resistance and tensile strength. The white version is suitable for inconspicuous installation in churches. If needed, now also available w/o overprint.

FREE SAMPLES AVAILABLE!

STRONG SPVC 2x

Ø mm
4.6

Ø mm
4.6

Shielding
100%

Shielding
100%

mm²
2x0.14

mm²
2x0.14

APPLICATIONS:

- Professional studio patchbay interconnects
- High-quality mini microphone cable
- Audiophile phono and RCA connections
- Lengthy MIDI cabling
- Interior rack wiring and connection of audio components and effects devices

PRODUCT ADVANTAGES:

- Ideal for patch cables, owing to its small outside diameter of 4.6 mm/0.181"
- Very good tensile strength due to the dual shielding construction and special PVC jacket
- Linear frequency response due to the special design of conductor pairs and copper wire stranding
- 100% shielding from metallized fleece plus additional copper spiral shielding

TECHNICAL DATA

Construction:	(2LI2Y0.14mm ²)(ST)DY
Jacket, diameter:	PVC 4.6 mm
Inner conductors:	2 x 0.14 mm ² (AWG26)
Copper strands per conductor:	18 x 0.10 mm
Conductor insulation:	PE 1.05 mm
Shielding:	Copper spiral sleeve tin-plated + metallic fleece
Shielding factor:	100%
Temperature range:	-25°C...+70°C
Fire load per m:	0.10 kWh
Weight per 1 m:	27 g
Packaging:	100 m spool

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	65 pF
Capac. cond./shield. per 1 m:	120 pF
Cond. resistance per 1 km:	< 140 Ω
Shield. resistance per 1 km:	30 Ω
Insulat. resistance per 1 km:	> 200 MΩ

COLOR ORDER NO.

■ black	200-0351
■ blue	200-0352
■ red	200-0353
■ icy grey	200-0356
□ white	200-0350
□ white, without imprint	200-0350NE NEW



x00015

BULK CABLE - AUDIO



PATCH AND MICROPHONE CABLE

BALANCED, HIGHLY FLEXIBLE

SC-CICADA SO-D14

⊗ INSTALL

ANALOG PUR OFC

PMB
PUR MASTER BLEND



Sectional drawing

This midget ...

with its 2.6 mm/0.102" diameter, fits through almost any small space. We originally developed the **SC-CICADA SO-D14** as a high-quality cable for the internal wiring of racks and audio equipment. However, after extensive testing by various microphone manufacturers who were quick to realize the excellent technical and electrical values of this cable, the **SC-CICADA** can now be found on many clip and ear microphones, headphone sets and speaker units. Notably appreciated, is the extremely high flexibility, the dense spiral shielding, and the pre-twisted and tinned drain wire on the **SC-CICADA SO-D14**, all of which give the cable additional protection against bending and tearing.

If you are a manufacturer of high-quality audio components, wire your devices with this cable! Its low noise and shielding makes it just great!

Comes with an abrasion-proof, cold-resistant PUR jacket!

FREE SAMPLES AVAILABLE!

Ø mm
2.6

Ø mm
2.6

Shielding
95%

Shielding
95%

mm²
2x0.14

mm²
2x0.14

APPLICATIONS:

- Interior wiring of mixing consoles, racks, and other audio components
- Flexible cable for clip-on microphones, earphones, speaker units, etc.
- Assembly of adapter cables

PRODUCT ADVANTAGES:

- Highly flexible because of its fine, single strand design
- Easy to handle, owing to the extra drain wire (0.22 mm²/AWG26)
- Superb coverage due to the tight spiral shielding with 95 % coverage
- Durable and abrasion-proof due to the rugged PUR jacket

TECHNICAL DATA

Construction:	(2LI2Y0.14 mm ²)DY
Jacket, diameter:	PUR Master-Blend 2.6 mm
Inner conductors:	2 x 0.14 mm ² (AWG26)
Copper strands per conductor:	18 x 0.10 mm
Cond. insulation:	PE 0.90 mm
Shielding:	Copper spiral shielding + filler strand, tin-plated (0.22 mm ²)
Shielding factor:	95%
Temperature range:	-30°C...+70°C
Fire load per m:	0.08 kWh
Weight per 1 m:	13 g
Packaging:	100 m spool

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	65 pF
Capac. cond./shield. per 1 m:	120 pF
Cond. resistance per 1 km:	< 148 Ω
Shield. resistance per 1 km:	30 Ω
Insulation resist. per 1 km:	> 1 GΩ

COLOR

- black, PUR, 2-wire
- white, without imprint

ORDER NO.

200-0451
200-0450NE NEW



⊗ x00018



PATCH AND MICROPHONE CABLE

BALANCED, 4-WIRE, CROSSOVER, HIGHLY FLEXIBLE

SC-CICADA 4

⊗ INSTALL

ANALOG PUR OFC

PMB
PUR MASTER BLEND



Sectional drawing

Maybe the smallest "star quad" of all times ...

is called **SC-CICADA 4** with an outer diameter of only 3.4 mm. Technically this cable is based on the very successful **SC-CICADA SO-D14** variant, but instead of two it has four wires arranged in a star formation, yet remains just as flexible and high-performing. When connected in crossover mode, this version delivers quite outstanding electrical values, especially compared with conventional microphone cables. Like the **SC-CICADA SO-D14**, the **SC-CICADA 4** has a robust, notch-resistant and sweat-absorbing PUR Master-Blend outer jacket – perfect for wiring up fitness gyms –, a tight helical mesh screen with 95 % coverage and an additional pre-stranded drain wire which greatly simplifies the cable assembly and gives it an extra sleeve support and a high breaking strength.

The **SC-CICADA 4** is the perfect microphone cable for use with mini XLR connectors, for fully wired MIDI and DIN cables or as a compact patch cable. We recommend it e.g. for the internal wiring in racks or audio components, as a feed line for clip or ear microphones or for manufacturing high-quality adapter cables.

FREE SAMPLES AVAILABLE!

Ø mm
3.4

Shielding
95%

mm²
4x0.14

APPLICATIONS:

- Internal wiring of mixing consoles, racks and other audio components
- Connection of mini XLR, mini jacks, fully wired MIDI and DIN cables
- Flexible cable for clip microphones, earphones, voice units etc.
- Production of adapter cables

PRODUCT ADVANTAGES:

- Very flexible due to fine CU litz wire design
- Easy handling due to additional drain wire (0.22 mm²)
- Excellent shielding due to tight helical mesh screen with 95 % coverage
- Durable and notch-resistant due to sturdy PUR jacket

TECHNICAL DATA

Construction	(4LI2Yx0.14 mm ²)DIIY
Jacket, diameter	PUR Master-Blend 3.4 mm
Inner conductors	4 x 0.14 mm ² (AWG26)
Cu litz wires per wire	18 x 0.10 mm
Conductor insulation	PE 0.10 mm
Shielding	Helical mesh + drain wire, tinned (0.22 mm ²)
Optical coverage	95 %
Temperature range	-25 °C ... +70 °C
Calorific potential / m	0.08 kWh
Weight / m	20 g
Packaging, P.U.	100 m

ELECTRICAL DATA

Wire-to-wire capacitance / 1 m:	75 pF
Wire-to-screen capacitance / 1 m:	140 pF
Conductor resistance / 1 km:	145 Ω
Screen resistance / 1 km:	39 Ω
Insulation resistance / 1 km:	1 GΩ

COLOR

- black

ORDER NO.

200-0461 NEW



⊗ x01661

PATCH AND MICROPHONE CABLE

BALANCED, TWIN STRAND, AES/EBU

SC-PEACOCK MKII

✗ STAGE ✗ STUDIO ✗ INSTALL
ANALOG DIGITAL OFC



Sectional drawing

Side by side ...

two pairs of conductors fit into two plugs. Or into three – or why not even four? You can do a lot with this cable. But primarily it will be used as a stereo cable for microphones and for manufacturing RCA and Y-patch cables.

Each of its wire pairs are protected individually by a tight spiral shielding with 95% coverage, and can be separated at any time.

The single line will fit into every 1/4" plug, XLR, and RCA plug.

For round cables see multicores, e.g. SC-MISTRAL and SC-QUANTUM HIGHFLEX.

FREE SAMPLES AVAILABLE!



STRONG PVC
 4.5x9.2 mm
 Shielding 95%
 2x2x0.22 mm²

APPLICATIONS:

- Wiring of stereo microphones
- Assembly of insert cables

PRODUCT ADVANTAGES:

- Highly flexible due to the use of a soft, cold-resistant PVC jacket
- Multiple applications, as the individual wires can be separated at any time

TECHNICAL DATA

Construction:	[2(2LI2Y0.22 mm ²)DY]Y
Jacket, outer dimension:	S-PVC 4.5 x 9.2 mm
Inner conductors:	2 x 2 x 0.22 mm ² (AWG24)
Copper strands per conductor:	28 x 0.10 mm
Conductor insulation:	Foam/Skin-PE 1.3 mm
Shielding:	Copper spiral shielding
Shielding factor:	95%
Temperature range:	-30°C...+70°C
Fire load per m:	0.18 kWh
Weight per 1 m:	49 g
Packaging:	100 m spool

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	70 pF
Capac. cond./shield. per 1 m:	125 pF
Cond. resistance per 1 km:	< 90 Ω
Shield. resistance per 1 km:	36 Ω
Insulat. resistance per 1 km:	> 500 MΩ
Surge impedance:	110 Ω

COLOR	ORDER NO.
■ black	200-0551
■ blue	200-0552



☎ x00016

PATCH CABLE

BALANCED, INTERNAL WIRING

SC-ISOPOD SO-F22 + SO-F50

✗ INSTALL
ANALOG DIGITAL FRNC OFC



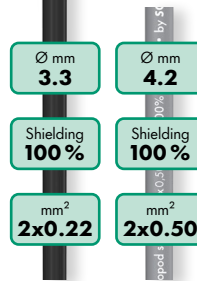
Sectional drawing

The cable with a memory ...

keeps things tidy. Switchboards and racks often look like spaghetti – urgently in need of organization. The **SC-ISOPOD SO-F** is a 2-wire, foil-screened cable with a compact outer diameter of 3.3 mm/0.13" (SO-F22) or 4.2 mm/0.165" (SO-F50). The cable is used primarily for the internal wiring of audio and hi-fi components. It has a "memory effect" and may be easily laid "around corners". The copper stranded wires of the individual wire pairs are already pre-stranded and may be stripped very easily. For a simpler connection, the cable has an extra pre-twisted and tinned drain wire. It is shielded by an AL/PT foil which will automatically stick to the jacket when stripping it down. The **SC-ISOPOD SO-F50** has a larger wire cross-section (2 x 0.50 mm²/AWG21) for crimp contacts. The **SC-ISOPOD SO-F22D** has a wave impedance of 110 Ω.

(Order No. 500-0406)

FREE SAMPLES AVAILABLE!



Ø mm 3.3 Ø mm 4.2
 Shielding 100% Shielding 100%
 mm² 2x0.22 mm² 2x0.50

APPLICATIONS:

- Internal wiring of racks, audio and hi-fi components

PRODUCT ADVANTAGES:

- Quick and easy to handle
- Robust plastic jacket for long life
- Easy to lay thanks to "memory effect"

TECHNICAL DATA	SO-F22	SO-F50
Construction:	(2LI2Y0.22 mm ²)(ST)Y	(2LI2Y0.50 mm ²)(ST)Y
Jacket, diameter:	3.3 mm	4.2 mm
Inner conductors:	2 x 0.22 mm ² (AWG 24)	2 x 0.50 mm ² (AWG 21)
Copper strands per conductor:	7 x 0.20 mm	7 x 0.30 mm
Conductor insulation:	PE 1.12 mm; AES/EBU (110 Ω); PP 1.3 mm	PE 1.5 mm
Shielding:	AL/PT foil + filler strand, tin-pl.	AL/PT foil + filler strand, tin-pl.
Shielding factor:	100%	100%
Temperature range:	-25°C...+70°C	-25°C...+70°C
Fire load per m:	0.05 kWh	0.07 kWh
Weight per 1 m:	16 g	58 g
Packaging:	200 m spool	200 m spool

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	74 pF	100 pF
Capac. cond./shield. per 1 m:	143 pF	160 pF
Cond. resistance per 1 km:	88 Ω	39 Ω
Shield. resistance per 1 km:	75 Ω	75 Ω
Insulat. resistance per 1 km:	> 200 MΩ	> 200 MΩ

COLOR

COLOR	ORDER NO.
□ white (SO-F22)	200-0400
■ black (SO-F22)	200-0401
■ blue (SO-F22)	200-0402
■ red (SO-F22)	200-0403
■ green (SO-F22)	200-0404
■ orange (SO-F22)	200-0405
■ grey (SO-F22)	200-0406
■ yellow (SO-F22)	200-0407
■ violet (SO-F22)	200-0408
■ grey (SO-F50)	201-0406
■ grey (SO-F22D) 110 Ω	500-0406
★ black, (SO-F22F) FRNC	200-0401F



☎ x00017

INSTRUMENT CABLE

UNBALANCED, FINE STRANDING

TRICONE MKII

STAGE MOBILE INSTALL HIFI
 ANALOG OFC



Sectional drawing

Electric instrumentalists ...

will be delighted with this cable. The **TRICONE® MKII** is a flexible cable for guitar or keyboard, and equally appealing to the live musician, studio keyboardist and home recording artist. Because of its substantial wire gauge of 0.22 mm²/AWG24 and the fine single 0.10 mm/AWG38 wires, it is immune to cable breakage and can handle high bending cycles. It is very robust, easy to reel and very reasonably priced. When making cables, care should be taken to remove the conductive shielding (black PVC sheathing) from the insulation so that it won't touch the inner conductor.

TRICONE® is a protected and registered trademark of **SOMMER CABLE GmbH**.

With DIY assembly, please bear in mind that the black carbon screen (sitting on the white insulation) is conductive and must therefore be removed to avoid ground contact with the inner conductor.

FREE SAMPLES AVAILABLE!

STRONG
SPVC

Ø mm
5.9

Shielding
100%

mm²
1x0.22

APPLICATIONS:

- Dependable cable for live applications (guitar and keyboard)
- Economy-priced line or patch cable for the home recording artist

PRODUCT ADVANTAGES:

- Very robust due to the large wire cross-section and fine copper single stranded wires
- Good electrical values due to the Skin PE insulation
- 100% protection by dual shielding (copper spiral shielding + conductive carbon screen)
- High number of bending cycles

TECHNICAL DATA

Construction:	LI2Y(LS)DY 1x0.22 mm ²
Jacket, diameter:	PVC 5.9 mm
Inner conductors:	1 x 0.22 mm ² (AWG24)
Copper strands per conductor:	28 x 0.10 mm
Conductor insulation:	Foam/Skin-PE 1.8 mm
Shielding:	Copper spiral shielding + semiconductor
Shielding factor:	100%
Temperature range:	-25°C...+60°C
Fire load per m:	0.26 kWh
Weight per 1 m:	42 g
Packaging:	100/500 m spool

ELECTRICAL DATA

Capac. cond./shield. per 1 m:	< 85 pF
Cond. resistance per 1 km:	< 90 Ω
Insulation resist. per 1 km:	> 1 GΩ

COLOR

COLOR	ORDER NO.
■ black	300-0021
■ black, without imprint	300-0021NE
■ blue	300-0022
■ red	300-0023
■ green	300-0024



INSTRUMENT/GUITAR CABLE

UNBALANCED, FINE STRANDING

TRICONE XXL

STAGE MOBILE STUDIO INSTALL
 ANALOG OFC



Sectional drawing

A tricorne hat has three corners ...

and also the **TRICONE® XXL 1/4"** plug which you can configure yourself on the **TRICONE® XXL** cable without using a soldering iron. With the **TRICONE® XXL** set, it is not only possible to make your own guitar cables, instrument cables and patch cables very easily, but also repair them on site, if necessary, in record time. For detailed information, see the chapters "Ready-made Cables" and "Connectors".

The **TRICONE® XXL** has a considerable PE foam insulation which is firmly enclosed and held in place by a carbon screen. This will optimize the capacitance and ensure loss-free treble reproduction, even over longer distances. This design, and the copper spiral shielding, will perfectly protect against external interference.

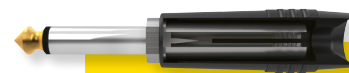
With DIY assembly, please bear in mind that the black carbon screen (sitting on the white insulation) is conductive and must therefore be removed to avoid ground contact with the inner conductor.

FREE SAMPLES AVAILABLE!

Ø mm
5.9

Shielding
100%

mm²
1x0.50



TRICONE® XXL 1/4" plug
for solderless DIY on-site assembly

APPLICATIONS:

- High-quality guitar lead for stage & studio
- Unbalanced cable for all string instruments, keyboards, samplers, mixing desks, etc.

PRODUCT ADVANTAGES:

- Powerful, clear sound transmission of any instrument signals
- Dual shielding by copper spiral and conductive carbon screen
- Highly flexible and easy to reel because of its fine single strand design
- Extremely durable and rugged due to LONGLIFE COMPOUND jacket

TECHNICAL DATA

Construction:	LI2Y(LS)CY 1x0.50 mm ²
Jacket, diameter:	LLC (Long Life Compound) 5.9 mm
Inner conductors:	1 x 0.50 mm ² (AWG20)
Copper strands per conductor:	28 x 0.15 mm
Conductor insulation:	Foam/Skin-PE 2.8 mm
Shielding:	Copper spiral tin-plated + semiconductor
Shielding factor:	100%
Temperature range:	-25°C...+60°C
Fire load per m:	0.27 kWh
Weight per 1 m:	44 g
Packaging:	100/500 m spool
Matching connector:	HI-J63TC-SM

ELECTRICAL DATA

Capac. cond./shield. per 1 m:	< 85 pF
Cond. resistance per 1 km:	< 90 Ω
Insulation resist. per 1 km:	> 1 GΩ

COLOR

COLOR	ORDER NO.
■ black	300-0021
■ blue	300-0022
■ red	300-0023
□ white	300-0020



GUITAR CABLE HIGH-END

UNBALANCED, DOUBLE SHIELDING

SC-SPIRIT

STAGE MOBILE STUDIO INSTALL
 ANALOG OFC



Sectional drawing

Like a lasso ...

many guitar players just throw their cables around. That's why this cable in particular requires a sophisticated interior architecture that makes it crush-proof. Early in their career, many musicians end up spending more and more money on low-budget cables until they finally realize that cheap cables are only good enough to serve as a mediocre radio antenna, and fail to do justice to the rich sound spectrum of their expensive instruments. We have distanced ourselves from cheap products and offer a top-grade cable at a fair price. The **SC-SPIRIT** has thick insulation between the wire and shielding. This improves the capacitive values and ensures loss-free treble reproduction even with longer cables. To avoid crackling and hum, we use a special conductive carbon screen and a copper braided shield. When soldering, make sure that the carbon shield and the inner conductor do not touch. Your audience will be stunned at the sound of this cable!

With DIY assembly, please bear in mind that the black carbon screen (sitting on the white insulation) is conductive and must therefore be removed to avoid ground contact with the inner conductor.

FREE SAMPLES AVAILABLE!

APPLICATIONS:

- High-quality guitar cable for studio and stage
- Unbalanced cable for keyboards, samplers, mixing desks, etc.
- Interconnect lead for CD/DVD player/recorder

PRODUCT ADVANTAGES:

- Incredibly punchy and clear sound with bass, guitar and keyboard due to our special stranding and a wire cross-section of 0.50 mm²/AWG20
- Dual shielding by a combination of a braided shield plus conductive carbon screen
- Low-loss transmission due to low capacitance
- Very flexible and easy to reel because of its finely stranded design
- Extremely durable and sturdy due to a special high-quality PVC jacket compound
- Strain relief and good sleeve support due to thick PVC jacket

TECHNICAL DATA

Construction:	LI2Y(LS)CY 1x0.50 mm ²
Jacket, diameter:	PVC 7.0 mm
Inner conductors:	1 x 0.50 mm ² (AWG20)
Copper strands per conductor:	19 x 0.18 mm
Conductor insulation:	Foam/Skin-PE 3.1 mm
Shielding:	Copper braided shield tin-plated + semiconductor
Shielding factor:	100%
Temperature range:	-30°C...+70°C
Fire load per m:	0.26 kWh
Weight per 1 m:	66 g
Packaging:	100 m spool

ELECTRICAL DATA

Capac. cond./shield. per 1 m:	78 pF
Cond. resistance per 1 km:	39 Ω
Insulation resist. per 1 km:	> 1 GΩ

COLOR

■ black

ORDER NO.

300-0051



x00021

GUITAR CABLE HIGH-END

UNBALANCED, DOUBLE SHIELDING

SC-SPIRIT XXL

STAGE MOBILE STUDIO INSTALL
 ANALOG OFC



Sectional drawing

Our endurance test champion ...

is the **SC-SPIRIT XXL**. This high-end guitar cable is one of our most successful products in recent years, rising to cult status both with guitarists and bassists. Owing to its excellent price-performance ratio, it has been awarded Test Champion several years in a row by the German and international trade press. The cable is sturdy yet flexible, while its smoke-colored jacket gives it a distinctive design. The shielding is ideal: the braiding offers 95% coverage, plus the lavish carbon screen (100%) protects against interference. A special lacquer finish makes the complex PE foam insulation very durable and helps preserve the excellent transmission properties for years to come. The large wire gauge of 0.75 mm²/AWG18 ensures a high signal level, even with long distances. Our customers describe the sound of the **SC-SPIRIT XXL** as crystal-clear, clean and very neutral. It excels at reproducing forceful bass attacks.

With DIY assembly, please bear in mind that the black carbon screen (sitting on the white insulation) is conductive and must therefore be removed to avoid ground contact with the inner conductor.

FREE SAMPLES AVAILABLE!

APPLICATIONS:

- High quality guitar and bass cable for studio and stage
- Unbalanced cable for keyboards, samplers, mixing consoles, etc.
- Interconnect lead for CD/DVD/BluRay player/recorder

PRODUCT ADVANTAGES:

- Enormously powerful and clear sound image with bass, guitar and keyboard
- Dual shielding by a combination of a copper braided shield plus conductive carbon screen
- Low-loss transmission due to low capacitance and large wire gauge
- Very flexible and easy to reel because of its finely stranded design
- Extremely durable and sturdy due to a special high-quality PVC jacket compound

TECHNICAL DATA

Construction:	LI2Y(LS)CY 1x0.75 mm ²
Jacket, diameter:	transp. PVC 6.8 mm
Inner conductors:	1 x 0.75 mm ² (AWG18)
Copper strands per conductor:	42 x 0.15 mm
Conductor insulation:	Foam/Skin-PE 3.1 mm
Shielding:	Copper braided shield tin-plated + semiconductor
Shielding factor:	100%
Temperature range:	-30°C...+70°C
Fire load per m:	0.26 kWh
Weight per 1 m:	52 g
Packaging:	100 m spool

ELECTRICAL DATA

Capac. cond./shield. per 1 m:	86 pF
Cond. resistance per 1 km:	25 Ω
Insulat. resistance per 1 km:	> 50 MΩ

COLOR

■ black, transparent

ORDER NO.

300-0071



x00022

HIGH END INSTRUMENT/GUITAR CABLE

UNBALANCED, DOUBLE SHIELDED

SC-SPIRIT XS

STAGE
 MOBILE
 STUDIO
 INSTALL
 ANALOG
 OFC



Sectional drawing

You can't have everything ...

in life. Well, almost. Many raving buyers of our **SC-SPIRIT XXL** guitar and instrument cable asked for a slightly more compact version of this legendary cable which should also fit into connectors with a smaller cable entry like e.g. angled jack plugs for stomp boxes or RCA connectors. Yet the **SC-SPIRIT XS** is not simply a slimmed-down version of the **SPIRIT XXL**, but one that's more adapted to the conditions. The cable diameter was reduced from 6.8 mm to 5.8 mm, but due to the high-grade gas-injected insulation and the large wire cross-section of 0.75mm², its performance is practically still the same.

With DIY assembly, please bear in mind that the black carbon screen (sitting on the white insulation) is conductive and must therefore be removed to avoid ground contact with the inner conductor.

FREE SAMPLES AVAILABLE!

Ø mm
5,8

Shielding
90 %

mm²
1x0.75

APPLICATIONS:

- Compact guitar and bass cable for studio and stage
- Unbalanced cable for stomp boxes, keyboards, samplers, DJ mixing desks etc.

PRODUCT ADVANTAGES:

- Super powerful and clear sound image with bass, guitar and keyboard
- Double shielded by a copper braid and a conducting carbon screen
- Low-loss transmission despite compact outer dimensions
- Very flexible and easy to reel owing to the use of fine single litz wires
- Extremely durable and robust due to a special very high-grade PVC compound jacket

TECHNICAL DATA

Construction:	LI2Y(LS)CY1 x 0.75 mm ²
Jacket, diameter:	PVC 5.8 mm
Inner conductors:	1 x 0.75 mm ² (AWG18)
Copper strands per conductor:	42 x 0.15 mm
Conductor insulation:	Foam/skin PE 3.1 mm
Shielding:	Tinned Cu braid + semiconductor
Shielding factor:	90 %
Temperature range:	-30 °C ... +70 °C
Fire load per m:	0.18 kWh
Weight per 1 m:	43 g
Packaging:	100 m

ELECTRICAL DATA

Capac. cond./shield. per 1 m:	76 pF
Cond. resistance per 1 km:	25 Ω
Insulat. resistance per 1 km:	> 50 MΩ

COLOR

■ brown, transparent

ORDER NO.

300-0061 **NEW**



■ x01662

HIGH-END INSTRUMENT/AUDIO CABLE

UNBALANCED, DOUBLE SHIELDED, SILVER-PLATED

SC-SILVER SPIRIT

STAGE
 MOBILE
 STUDIO
 INSTALL
 ANALOG
 OFC



Sectional drawing

When opinions differ ...

... silver-plated audio cables are often a topic for discussion. From a purely technical point of view, this precious metal has the best electrical conductivity of all metals. As to their sonic impression, opinions on sense and nonsense of such cables often differ greatly. Here Sommer cable tries to shed a light into the darkness: those different opinions are because, due to the natural oxidation, silver is "alive". Unlike copper oxide, silver oxide is conductive, i.e. its electrical and mechanical properties can vary slightly over a longer period of time. This also causes alterations to the tone quality, which is why we can observe different audiophile impressions, and some musicians or hi-fi aficionados may perceive the sound of a silver cable as rather neutral, cool, or overly bright. We want to avoid such irritations and discussions, of course. Therefore we use only tightly concentrically stranded class 6N (OFC 99.9999 %) copper litz wires for our **SC-SILVER SPIRIT**, which are then refined and smoothed with the highest quality silver alloy (935/1000). That way they offer a constant performance and can be processed with silver solder neatly and without electrical losses. The **SC-SILVER SPIRIT** is equipped with the most up-to-date gas-injected and smoothed wire insulation.

With DIY assembly, please bear in mind that the black carbon screen (sitting on the white insulation) is conductive and must therefore be removed to avoid ground contact with the inner conductor.

FREE SAMPLES AVAILABLE!

Ø mm
7,4

Shielding
94 %

APPLICATIONS:

- High-quality guitar/bass/instrument cable for studio and stage
- Unbalanced cable for keyboards, samplers, mixing consoles and hi-fi systems

PRODUCT ADVANTAGES:

- Extremely clear, pure sound image
- Permanently neutral transmission, even after frequent use
- Flexible and robust outer jacket of a temperature-resistant PVC compound
- Double shielding by a tight braid plus carbon semiconductor

TECHNICAL DATA

Construction:	LI2Y(LS)CY1 x 0.22 mm ²
Jacket, diameter:	PVC 7.4 mm
Inner conductors:	1 x 0.22 mm ² (AWG24)
Copper strands per conductor:	28 x 0.10 mm, silver-plated
Conductor insulation:	Foam/skin PE 3.5 mm
Shielding:	Tinned Cu braid + semiconductor
Shielding factor:	94 %
Temperature range:	-15 °C ... +65 °C
Fire load per m:	0.38 kWh
Weight per 1 m:	64.6 g
Packaging:	100 m

ELECTRICAL DATA

Capac. cond./shield. per 1 m:	78 pF
Cond. resistance per 1 km:	41 Ω
Insulat. resistance per 1 km:	1 GΩ

ELECTRICAL DATA

■ black

300-0011 **NEW**



■ x01663

GUITAR/INSTRUMENT CABLE HIGH-END

UNBALANCED, DOUBLE-SHIELDED, GAS-INJECTED

SC-SPIRIT BLACK ZILK

STAGE
 MOBILE
 STUDIO
 INSTALL
 ANALOG
 OFC



Sectional drawing

Any serious musician will ...

rock with one of the most interesting guitar cables ever made. This soft, highly flexible guitar cable, with its very attractive finish, stands out with its outer and inner values. It is sheathed by a velvety, semi-transparent **BLACK ZILK** jacket (7.2 mm thick (0.283")), which glides on the floor as lightly as a feather. We use concentrically stranded wires of oxygen-free class N6 Chilean copper (OFC 99.9999%) and a GAS-INJECTED PE insulation, which ensures a low-loss, neutral transmission. The stranding angle of the shielding screen has been chosen with care so that hardly any friction will occur. Therefore, the cable has an extra long life.

With DIY assembly, please bear in mind that the black carbon screen (sitting on the white insulation) is conductive and must therefore be removed to avoid ground contact with the inner conductor.

FREE SAMPLES AVAILABLE!



Ø mm
7.2

Shielding
100 %

mm²
1x0.25

APPLICATIONS:

- High-end guitar cable for pure transmission, even over longer distances
- Perfect for unbalanced studio cabling

PRODUCT ADVANTAGES:

- Semi-transparent soft jacket design ensures a high number of bending cycles
- Gorgeous velvet look with soft-touch feel
- Double shielding by copper spiral and carbon semiconductor
- High bending cycles
- Zero-twist winding

TECHNICAL DATA

Construction:	LI2Y(LS)DY 1x0.25 mm ²
Jacket, diameter:	PVC 7.2 mm
Inner conductors:	1 x 0.25 mm ² (AWG 24)
Copper strands per conductor:	32 x 0.10 mm
Conductor insulation:	Foam/Skin-PE
Shielding:	Copper spiral shielding + semiconductor
Shielding factor:	100%
Temperature range:	-30°C... +70°C
Fire load per m:	0.26 kWh
Weight per 1 m:	64 g
Packaging:	100 m

ELECTRICAL DATA

Capac. cond./shield. per 1 m:	< 80 pF
Cond. resistance per 1 km:	< 90 Ω
Insulat. resistance per 1 km:	> 1 GΩ

COLOR
■ black, semi-transparent

ORDER NO.
300-0351



x00023

GUITAR/INSTRUMENT CABLE "LOW-LOSS"

UNBALANCED, DOUBLE-SHIELDED, GAS-INJECTED

SC-SPIRIT LLX „LOW LOSS"

STAGE
 MOBILE
 STUDIO
 INSTALL
 ANALOG
 OFC



Sectional drawing

Making the impossible come true ...

When dealing with a new guitar cable, it involves creating extremely low capacitance together with breathtaking flexibility. Developing an insulation which ensures super low values by means of a gas-injected foaming is not an easy job, but well within the bounds of possibility for professional cable manufacturers. However, protecting this fragile insulation against motion, creasing and twisting as well, is indeed a true challenge.

With the **SPIRIT LLX "LOW-LOSS"** we have used the same insulation design as is used in professional HD-SDI video cables. For extra stability of the inner construction, we use an optimized concentric stranding and a special insulation cure on the surface. For the outer jacket we have applied a rubber-like soft PVC jacket, which is highly flexible, extremely compact, hardly stretches and protects the whole inner structure from exterior influences.

Due to its low capacitance and its very special construction, the **SPIRIT LLX "LOW-LOSS"** is one of the world's only ultra-low loss guitar cables.

With DIY assembly, please bear in mind that the black carbon screen (sitting on the white insulation) is conductive and must therefore be removed to avoid ground contact with the inner conductor.

FREE SAMPLES AVAILABLE!



SGS
SPIRIT GAS SKIN

Ø mm
7.2

Shielding
100 %

mm²
1x0.38

APPLICATIONS:

- Highly flexible cable for the demanding studio and live guitarist
- High-quality patch cabling for the professional studio
- High-end cable for the live DJ

PRODUCT ADVANTAGES:

- Extremely low capacitance values
- Robust, twist-proof and easy to reel
- Low-loss, detailed and neutral transmission properties
- Double shielding by copper braiding plus conductive carbon screen

TECHNICAL DATA

Construction:	LI2Y(LS)CY 1x0.38 mm ²
Jacket, diameter:	PVC 7.2 mm
Inner conductors:	1 x 0.38 mm ² (AWG 21)
Copper strands per conductor:	19 x 0.16 mm
Conductor insulation:	Foam/Skin-PVC
Shielding:	Copper braiding + semiconductor
Shielding factor:	93%
Temperature range:	-30°C... +70°C
Fire load per m:	0.26 kWh
Weight per 1 m:	55 g
Packaging:	100 m
Matching plug:	HI-J63M03

ELECTRICAL DATA

Capac. cond./shield. per 1 m:	< 52 pF
Cond. resistance per 1 km:	< 48 Ω
Insulat. resistance per 1 km:	> 1 GΩ

COLOR
■ black

ORDER NO.
300-0091



x00024

GUITAR CABLE VINTAGE STYLE

UNBALANCED

SC-CLASSIQUE

STAGE MOBILE STUDIO
 ANALOG OFC



Sectional drawing

The good old times ...

For all those collectors of old guitars who can't part with anything, we now offer the perfectly matching cable.

And while the **SC-CLASSIQUE** may look old, its technology is new and fresh. The core is made up of an inside wire with a diameter of 0.50 mm²/AWG20. It's 28 individual fine copper strands ensure untainted musical pleasure at lengths of 20m/65 ft. Rounding off the cable is a thick insulation of foamed and lacquered PE and a dense, tinned copper braiding.

The eye-catching exterior is the extra textile cover which gives the **SC-CLASSIQUE** its requisite vintage styling. Plus it also sounds like a cable from the sixties: The **SC-CLASSIQUE** will win you over with its vintage warmth, rich sound and crystal-clear highs.

With DIY assembly, please bear in mind that the black carbon screen (sitting on the white insulation) is conductive and must therefore be removed to avoid ground contact with the inner conductor.

FREE SAMPLES AVAILABLE!

Ø mm
6.5

Shielding
100%

mm²
1x0.50



black-blue

black-white

APPLICATIONS:

- High-end guitar and instrument cable with vintage sound and styling
- Unbalanced cable for stage and studio

PRODUCT ADVANTAGES:

- Warm and fat "sixties" sound
- Robust vintage style cloth jacket
- Very low capacitance and dual shielding (copper braiding + semiconductor)
- Easy to reel

TECHNICAL DATA

Construction:	LI2Y(LS)CY 1x0.50 mm ²
Jacket, diameter:	PVC + fabric 6.5 mm
Inner conductors:	1 x 0.50 mm ² (AWG20)
Copper strands per conductor:	28 x 0.15 mm
Conductor insulation:	Foam/Skin-PE 2.2 mm
Shielding:	Copper spiral tin-plated + semiconductor
Shielding factor:	100%
Temperature range:	-40°C...+80°C
Fire load per m:	0.26 kWh
Weight per 1 m:	54 g
Packaging:	100 m spool

ELECTRICAL DATA

Capac. cond./shield. per 1 m:	78 pF
Cond. resistance per 1 km:	< 36 Ω
Insulat. resistance per 1 km:	> 10 MΩ

COLOR

- tweed-yellow
- black-white
- black-blue

ORDER NO.

- 300-0117**
- 300-0110**
- 300-0112**



x00025

INSTRUMENT CABLE HIGH-END

TWO-CONDUCTOR, COPPER SHIELDING + STRAND

COLONEL INCREDIBLE

STAGE MOBILE INSTALL
 ANALOG OFC



Sectional drawing

Life in the wilderness ...

is hard and merciless. **SOMMER CABLE** has developed the **COLONEL INCREDIBLE** especially for this purpose! It is sturdy, flexible, strong and olive-green! This lets you and your cable adapt to the environment just perfectly. The **COLONEL INCREDIBLE** from our "**OFFROAD SERIES**" is a serious cable with killer specs and a wonderfully smooth frequency response. This high-end guitar cable features a technically optimized two-wire design. The **first wire** consists of concentrically stranded, silver-plated strands and is **shielded** by a dense copper braiding. Furthermore, a **second earth wire with red insulation** has been braided. This needs **to be soldered to the mesh screen of the first wire.**

CAUTION: To avoid impact noise, the soldering must be made according to this scheme.

The **COLONEL INCREDIBLE** is recommended for both demanding studio musicians and live musicians. Many professional musicians describe the sound as very punchy, clean and well-defined.

FREE SAMPLES AVAILABLE!

STRONG
SPVC

Ø mm
7.2

Shielding
100%

mm²
2x0.35

APPLICATIONS:

- A reliable cable for both live and studio use (guitar and keyboard)

PRODUCT ADVANTAGES:

- Very robust due to large wire gauge and fine single copper stranded wires
- Good electrical values due to dual-conductor construction

TECHNICAL DATA

Construction:	LI2Y(LS)DY 2x0.35 mm ²
Jacket, diameter:	PVC 7.2 mm
Inner conductors:	2 x 0.35 mm ² (AWG22)
Copper strands per conductor:	7 x 0.254 mm
Conductor insulation:	PE
Shielding:	Copper braiding, tin-plated
Shielding factor:	100%
Temperature range:	-20°C...+70°C
Fire load per m:	0.26 kWh
Weight per 1 m:	64 g
Packaging:	100 m/500 m spool

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	41 pF
Capac. cond./shield. per 1 m:	130 pF
Cond. resistance per 1 km:	55 Ω
Insulation resist. per 1 km:	> 1 GΩ
Surge impedance:	78 Ω

COLOR

- olive green

ORDER NO.

- 300-008M**



x00026

INSTRUMENT, HI-FI AF PHONO CABLE

UNBALANCED

SC-CORONA

STUDIO HI-FI
 ANALOG OFC



Sectional drawing

A real beauty ...

with impressively fine resolution. This is the new **SC-CORONA**, designed for systems that could use a little help in bringing out their full musical nature. Even hi-fi systems in the \$1,000 range will sound much happier with this interconnect, which our reviewers have lauded as "fast, clean and clear".

This enhanced sonic enjoyment derives from the coax construction with a large wire cross-section and phenomenal shielding by a dense copper mesh and carbon semiconductor.

Its low capacitance might tempt many a musician to misuse the **SC-CORONA** as a good-sounding high-end guitar cable. Owing to its great flexibility and ease in winding, the **SC-CORONA** is an absolute insiders' tip among studio guitarists.

The **SC-CORONA** is an affordable cable with true high-fidelity character, or "hi-fi-nesse."

With DIY assembly, please bear in mind that the black carbon screen (sitting on the white insulation) is conductive and must therefore be removed to avoid ground contact with the inner conductor.

FREE SAMPLES AVAILABLE!

Ø mm
6.7

Shielding
100%

mm²
1x0.50

APPLICATIONS:

- Connection of phono and car hi-fi systems
- High-end instrument and guitar cable

PRODUCT BENEFITS:

- Tightly stranded copper wire for clean and precise sound reproduction
- Extremely fast transient response and soundstage
- Upscale design that stands out
- 100% shielding made of dense copper mesh and carbon sheath

TECHNICAL DATA

Construction:	(LIHS09YHS 1x0.50 mm ²)CY
Jacket, diameter:	PVC 6.7 mm
Inner conductors:	1 x 0.50 mm ² (AWG20)
Copper strands per conductor:	28 x 0.15 mm
Conductor insulation:	PE
Shielding:	Copper braided shielding + semiconductor
Shielding factor:	100%
Temperature range:	-40°C...+80°C
Fire load per m:	0.25 kWh
Weight per 1 m:	55 g
Packaging:	50 m roll, per m

ELECTRICAL DATA

Capac. cond./shield. per 1 m:	78 pF
Cond. resistance per 1 km:	< 36 Ω
Insulat. resistance per 1 km:	> 10 MΩ

COLOR

 transparent

ORDER NO.

800-0079



x00027

INSTRUMENT AND PATCH/AUDIO COMBO CABLE

1 x 0.22 mm²/AWG24 INSTRUMENT + 1 x (2 x 0.14 mm²/AWG26) PATCH/AUDIO

TRICONE SYMASYM

STAGE MOBILE INSTALL
 ANALOG OFC



Sectional drawing

Balanced or unbalanced ...

that is the question – or rather it isn't, with our **TRICONE SYMASYM!** Guitar players in particular have been asking us to make them a cable for the increasingly popular **piezo/electric guitars**. They want this cable to deliver the full crunch we have come to know and love, as well as the guitar's true acoustic sound. This opens up new sound options within a song. And since we are passionate musicians ourselves, we immediately buckled down to develop a cable combining the proven **TRICONE®** and the compact, balanced **SC-CICADA** under a round PVC jacket (IEC 60332-1).

By the way, this cable can also carry the instrument signal and the **IN-EAR monitoring** signal in one line. Other possible applications are limited only by your imagination.

With DIY assembly, please bear in mind that the black carbon screen (sitting on the white insulation) is conductive and must therefore be removed to avoid ground contact with the inner conductor.

FREE SAMPLES AVAILABLE!

Ø mm
11.3

Shielding
100%

APPLICATIONS:

- Instrument + In-ear system over one cable
- Guitars with electric/piezo multi-pickup system (standard magnetic pickups + bridge piezo)

PRODUCT ADVANTAGES:

- Unbalanced instrument line, plus balanced audio line in one cable
- Flexible round jacket for tough use on stage
- Easy handling owing to 2-in-1 design

TECHNICAL DATA

Construction:	1x0.22 mm ² +1x(2x0.14 mm ²)
Jacket, diameter:	total: PVC, 11.3 mm instrument: PVC, 4.6 mm audio: PMB, 2.6 mm
Inner conductors:	instrument: 1 x 0.22 mm ² (AWG24) audio: 1 x 2 x 0.14 mm ² (AWG26)
Copper strands per conductor:	instrument: 28 x 0.10 mm audio: 18 x 0.10 mm
Conductor insulation:	instrument: Foam/Skin-PE 1.9 mm audio: PE 0.90 mm
Shielding:	video: Copper braiding + semiconductor audio: Copper spiral shielding + drain wire tin-plated
Shielding factor:	100%
Temperature range:	-25°C... +70°C
Fire load per m:	0.55 kWh
Weight per 1 m:	80 g
Packaging:	per m

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	68 pF (audio)
Capac. cond./shield. per 1 m:	< 85 pF (instrument) / 120 pF (audio)
Cond. resistance per 1 km:	< 91 Ω (instrument) / < 136 Ω (audio)
Shield. resistance per 1 km:	30 Ω (audio)
Insulation resist. per 1 km:	> 1 GΩ (instrument + audio)

COLOR

 black

ORDER NO.

301-1101



x00028

HI-FI AF-PHONO CABLE

UNBALANCED

SC-STRATOS

STUDIO
 INSTALL
 HIFI
 ANALOG
 OFC



Sectional drawing

Honesty pays off ...

sooner or later when you take a closer look at certain hi-fi cables after a few years of use. Even with a \$250 phono lead you may find a porous sleeve, shrunken insulation and oxidized copper. After all, most cables are constantly subjected to wilting waves of withering heat emanating from the transformer. Those cables not up to the task are often affected in relatively short order, degrading their physical form and electrical values. Not so with our **SC-STRATOS** audio cable, which we made sure matches the level of high-end systems not just electrically, but sonically. The **SC-STRATOS** sounds incredibly natural, airy, unobtrusive, and offers complete silence during musical breaks. With its multiple shielding (braiding + semiconductor), the **SC-STRATOS** is perfectly protected against electro-magnetic interference. For heat dissipation, we have braided special plastic fibers into the mesh and wrapped it in an extremely durable heat-proof jacket material. For increased conductivity, the copper stranded wires have a special smooth coating applied to the conductors. The **SC-STRATOS** has been insulated with a durable and microscopically fine PE/PP mixture. Ideal for audio interconnects between (SA)CD Blu-ray player, DAT/DVD recorder or preamp and power amp.

FREE SAMPLES AVAILABLE!



APPLICATIONS:

- Audiophile interconnects
- High-end guitar cable

PRODUCT ADVANTAGES:

- Very natural and lively sound image
- Multiple shielding against AF and RF interference
- Reliably maintains electrical values over time
- Readily adapts to hi-fi components from different manufacturers

For more hi-fi cables please visit our webshop at shop.sommecable.com

TECHNICAL DATA

Construction:	(LIHS09YHS 1x0.34 mm ²)DY
Jacket, diameter:	PVC 8.5 mm
Inner conductors:	1 x 0.34 mm ² (AWG22)
Copper strand per conductor:	7 x 0.25 mm
Conductor insulation:	PE/PP
Shielding:	Copper braided shielding + semiconductor
Shielding factor:	100%
Temperature range:	-20°C...+80°C
Fire load per m:	0.25 kWh
Weight per 1 m:	74 g
Packaging:	per m

ELECTRICAL DATA

Capac. cond./shield. per 1 m:	75 pF
Cond. resistance per 1 km:	< 53 Ω
Insulation resist. per 1 km:	> 1 GΩ

COLOR

■ slate

ORDER NO.

800-0056



INSTRUMENT, PATCH, DIODE CABLE

UNBALANCED

SC-ONYX TYNEE

STUDIO
 INSTALL
 HIFI
 ANALOG
 OFC



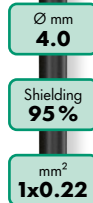
Sectional drawing

Inconspicuous and yet so important ...

are those little helpers which are built into almost every electrical appliance today. These small shielded instrument cables are also called "diode cables". They are the simpler version of instrument cables, like the ones used in professional audio technology. Since instrument cables for guitars are used in many different environments, they usually come doubly shielded with a copper spiral and a carbon sheath. In contrast, a diode cable just has a simple copper spiral shield – sufficient if the cable remains stationary, or is installed inside electrical equipment.

In the audio sector, diode cables are used to connect hi-fi components or as a budget keyboard cable, whereas in the electrical sector they are versatile enough to be used in an incredible number of applications. The **SC-ONYX TYNEE** is especially popular with product development teams, manufacturers and electronics hobbyists since it features tight stranding, a high quality copper (OFC class 6) and a very durable jacket compound.

FREE SAMPLES AVAILABLE!



APPLICATIONS:

- Cabling of unbalanced devices (e.g., keyboards)
- Connecting cable for hi-fi components
- Assembly of Y-adapter cables
- Assembly of insert cables
- Interior wiring of electrical appliances

PRODUCT ADVANTAGES:

- Very flexible because of its finely stranded design
- Small jacket diameter enables easy termination with RCA and TS plug connectors
- Durable jacket compound and oxygen-free copper (OFC class 6)

TECHNICAL DATA

Construction:	LI2YDY 1x0.22 mm ²
Jacket, outer dimension:	PVC 4.0 mm
Inner conductors:	1 x 0.22 mm ² (AWG24)
Copper strand per conductor:	7 x 0.20 mm
Conductor insulation:	PE
Shielding:	Copper spiral shielding
Shielding factor:	95%
Temperature range:	-20°C...+70°C
Fire load per m:	0.12 kWh
Weight per 1 m:	18 g
Packaging:	100 m spool

ELECTRICAL DATA

Capac. cond./shield. per 1 m:	125 pF
Cond. resistance per 1 km:	< 85 Ω
Insulation resist. per 1 km:	> 1 GΩ

COLOR

■ black

ORDER NO.

300-0031



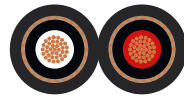


INSTRUMENT & PATCH CABLE

UNBALANCED

SC-ONYX 2008 SC-ONYX 2025 MKII

STUDIO
 INSTALL
 HIFI
 ANALOG
 OFC



Sectional drawing

The twin cable ...

is similar in design and quality to the **TRICONE MKII**, but a little thinner due to the twin construction. It fits nearly all TS and RCA plugs, and is well-suited for manufacturing hi-fi cables and for permanent installations.

The **SC-ONYX** can be spliced at the center of the cable. Each wire has its own copper spiral shielding, plus a thick jacket. The insulation is either white and red or white and yellow (**SC-ONYX 2008**), respectively.

The **SC-ONYX 2008** is very small in diameter, which makes it ideal for terminating with mini TS connectors.

Also available as single line (diode cable) **SC-ONYX TYNEE** (see previous page).

FREE SAMPLES AVAILABLE!

■ mm 2.6x5.9	■ mm 3.8x8,3
Shielding 90%	Shielding 90%
mm ² 2x1x0.08	mm ² 2x1x0.25

APPLICATIONS:

- Cabling unbalanced devices (keyboards)
- Connecting hi-fi components
- Constructing Y-adaptor cables
- Assembling insert cables

PRODUCT ADVANTAGES:

- Very flexible because of its finely stranded design
- Each conductor is insulated and individually shielded with copper spiral shielding
- Cable pairs can be pulled apart easily by hand
- Small jacket diameter facilitates termination with RCA and TS connectors

TECHNICAL DATA

	SC-ONYX 2008	SC-ONYX 2025
Construction:	LI2YDY 2x0.08 mm ²	LI2YDY 2x0.25 mm ²
Jacket, outer dimension:	PVC 2.6 x 5.9 mm	PVC 3.8 x 8.3 mm
Inner conductors:	2 x 1 x 0.08 mm ² (AWG28)	2 x 1 x 0.25 mm ² (AWG24)
Copper strands per conductor:	10 x 0.10 mm	32 x 0.10 mm
Conductor insulation:	PE-HD	PE
Shielding:	Copper spiral shielding	Copper spiral shielding
Shielding factor:	90%	90%
Temperature range:	-20°C...+70°C	-25°C...+70°C
Fire load per m:	0.20 kWh	0.23 kWh
Weight per 1 m:	26 g	38 g
Packaging:	100 m spool	100 m spool

ELECTRICAL DATA

Capac. cond./shield. per 1 m:	120 pF	120 pF
Cond. resistance per 1 km:	< 220 Ω	115 Ω
Insulation resist. per 1 km:	> 1 GΩ	> 1 GΩ

COLOR

- black, 2 x 0.08 mm²
- black, 2 x 0.25 mm²
- blue, 2 x 0.25 mm²

ORDER NO.

- 320-0061**
- 320-0101**
- 320-0102**



x00031

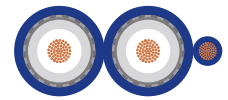


INSTRUMENT CABLE

UNBALANCED, TWIN CABLE + CONTROL WIRE

SC-SINUS CONTROL

STUDIO
 INSTALL
 HIFI
 ANALOG
 OFC



Sectional drawing

It won't make your car run faster ...

but a good sound system can overcome a fair amount of road noise. Seriously, though, the **SC-SINUS CONTROL** practically enjoys cult status among audiophiles and car audio gurus alike. Because for an extremely low price, you get a cable that is so good it's scary. The **SC-SINUS CONTROL** graces hundreds of thousands of home and car stereo systems, where it is especially appreciated for its perfect shielding (copper braiding + AL/PT foil), which prevents any interference both in the RF and AF range.

Due to its special insulation of highly condensed Foam/Skin-PE, the **SC-SINUS CONTROL** has very low capacitance and very good audio data.

A control wire is directly included to control CD players or other devices, but may also be used as a phono ground wire.

FREE SAMPLES AVAILABLE!

■ mm 6,2x15
Shielding 100%
mm ² 2x0.35+ 1x0.35

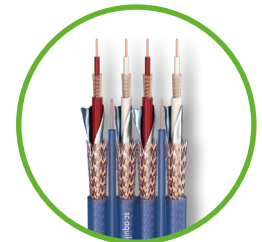
APPLICATIONS:

- Instrument or phono cable for moderate to higher standards
- Unbalanced twin cable for high-quality car audio systems

PRODUCT ADVANTAGES:

- Delivers rock-solid bass with kick
- Dual shielding with 100% coverage
- Control wire included
- Very reasonably priced

DUO VERSION 4 x 1 x 0.14 mm²
+ 2 x 1 x 0.14 mm² see webshop.
Order No.: 800-0152



TECHNICAL DATA

Construction:	LI2Y(ST)CY 2x0.35 mm ² +1x0.35 mm ²
Jacket, diameter:	PVC 6.2 x 15 mm
Inner conductors:	2 x 1 x 0.35 mm ² + 1 x 0.35 mm ² (AWG22)
Copper strands per conductor:	11 x 0.20 mm
Conductor insulation:	Foam/Skin-PE 3.0 mm
Shielding:	Copper braiding + AL/PT foil
Shielding factor:	100%
Temperature range:	-20°C...+70°C
Fire load per m:	0.26 kWh
Weight per 1 m:	86 g
Packaging:	50 m / 100 m spool

ELECTRICAL DATA

Capac. cond./shield. per 1 m:	75 pF
Cond. resistance per 1 km:	53 Ω
Insulation resist. per 1 km:	> 1 GΩ

COLOR

- black
- blue

ORDER NO.

- 320-0251** NEW
- 320-0252**



x00032



AES/EBU & DMX CABLE

BALANCED, PATCH

SC-SEMICOLON 2/4 AES/EBU PATCH

⊗ STUDIO ⊗ INSTALL

ANALOG DIGITAL FRNC HALOGEN-FREE PUR OFC

The moon has risen ...

and what if only the "little golden stars" are sparkling? Light failure! Sound failure! Engineer's nightmare is the total breakdown. External interference fields are at the cause of it, which in turn are caused by badly shielded cables. Therefore we have developed this cable with a soft jacket material and a 100 % shielding – with an outer diameter of only 5 mm or 5.2 mm (4-way version). The perfect AES/EBU cable for the studio technology, ideally suitable for patching or internal wirings. Where no extreme environmental factors prevail, the cable can also be used for permanent laying over long distances. Its wave impedance of 110 Ω ensures a loss-free transmission of digital signals.

Transversely watertight PUR version – see AQUA-MARINEX series. 4-way version **SC-SEMICOLON 4** with aramid reinforcement – see previous pages.

FREE SAMPLES AVAILABLE!

Sectional drawing see website.

Ø mm
5.0

Shielding
100 %

mm²
2x0.22

Ø mm
5.2

Shielding
100 %

mm²
4x0.14



AES/EBU & DMX CABLE

BALANCED, TWIN CABLE

SC-PEACOCK AES/EBU

⊗ STAGE ⊗ STUDIO ⊗ INSTALL

ANALOG DIGITAL OFC

Side by side ...

two pairs of conductors fit into two plugs. Or into three – or why not even four? You can do a lot with this cable, but it will be primarily used as a stereo cable for microphones and for manufacturing RCA and Y-patch cables.

Each of its wire pairs is protected individually by dense spiral shielding with 95 % coverage and can be separated at anytime. The single line will fit into every 1/4", XLR, and RCA plug.

For round cables see multicores, e.g. SC-MISTRAL and SC-QUANTUM HIGHFLEX.

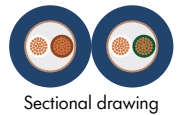
FREE SAMPLES AVAILABLE!

STRONG
SPVC

mm
4,5x9.2

Shielding
95 %

mm²
2x2x0.22



Sectional drawing

APPLICATIONS:

- Professional studio and microphone technology
- Wiring of effects devices/control units with a return signal
- Professional MIDI technology, dubbing cables
- High-end connection of hi-fi components
- Controlling of lighting and scanner systems and displays

PRODUCT ADVANTAGES:

- Optimal shielding with dense copper spiral + AL/PT foil or AL fleece
- Compact and thus space-saving

TECHNICAL DATA

	SC-SEMICOLON 2	SC-SEMICOLON 4
Construction:	(2LI2Y0.22 mm ²)(ST)DY	(4LI2Y0.14 mm ²)(ST)DY
Jacket, diameter:	PVC/FRNC 5.0 mm	PVC/Soft PUR FRNC (accord. to IEC332-1) 5.2 mm
Inner conductors:	2 x 0.22 mm ² (AWG24)	4 x 0.14 mm ² (AWG26)
Copper strand per conductor:	PVC: 28 x 0.10 mm / FRNC: 7 x 0.20 mm	18 x 0.10 mm
Conductor insulation:	Foam/Skin-PE	Foam/Skin-PE
Shielding:	PVC: Copper spiral sleeve + AL-fleece FRNC: Copper spiral sleeve + AL/PT foil	Copper spiral sleeve + AL-fleece
Shielding factor:	100%	100%
Temperature range:	-25°C...+70°C	PVC: -40°C...+70°C PUR: -40°C...+70°C
Fire load per m:	0.13 kWh	0.18 kWh
Weight per 1 m:	33 g	48 g
Packaging:	100 m/500 m spool	100 m/500 m spool

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	45 pF	40 pF
Capac. cond./shield. per 1 m:	95 pF	80 pF
Cond. resistance per 1 km:	80 Ω	< 140 Ω
Insulation resist. per 1 km:	> 1 GΩ	> 1 GΩ
Surge impedance:	110 Ω	110 Ω
Attenuation per 100 m (20°C):	1 MHz: 2.2 dB 3 MHz: 3.8 dB 10 MHz: 6.9 dB	1 MHz: 2.8 dB 3 MHz: 4.7 dB 10 MHz: 9.8 dB

COLOR

■ black

■ blue

★ blue, FRNC

■ black, quad, PVC

■ black, quad, Soft-PUR-FRNC

□ white, quad, PVC

ORDER NO.

520-0101

520-0102

520-0102F

520-0141 **NEW**

521-0141

520-0140



x00033

APPLICATIONS:

- Wiring of stereo microphones
- Assembly of insert cables
- For DMX duplex transmission

PRODUCT ADVANTAGES:

- Highly flexible due to the use of a soft, cold-resistant PVC jacket
- Multiple applications, as the individual wires can be separated at any time

TECHNICAL DATA

Construction:	2[(2LI2Y0.22 mm ²)DY]
Jacket, outer dimension:	S-PVC 4.5 x 9.2 mm
Inner conductors:	2 x 2 x 0.22 mm ² (AWG24)
Copper strand per conductor:	28 x 0.10 mm
Conductor insulation:	Foam/Skin-PE 1.3 mm
Shielding:	Copper spiral sleeve
Shielding factor:	95%
Temperature range:	-30°C...+70°C
Fire load per m:	0.18 kWh
Weight per 1 m:	49 g
Packaging:	100 m spool

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	70 pF
Capac. cond./shield. per 1 m:	125 pF
Cond. resistance per 1 km:	< 90 Ω
Shield. resistance per 1 km:	< 36 Ω
Insulat. resistance per 1 km:	> 500 MΩ
Surge impedance:	110 Ω

COLOR

■ blue

■ black

ORDER NO.

200-0552

200-0551



x00034

AES/EBU & DMX CABLE

BALANCED, OUTDOOR



SC-BINARY 234 AES/EBU MKII



- STAGE
- MOBILE
- STUDIO
- INSTALL
- ELA

Swinging with your girlfriend ...

like Tarzan in the jungle. With this cable you could do just that: it can take a lot of tugging, bending, and rough wear and tear. This is important when installing it in sharp-edged lighting trusses.

The **SC-BINARY 234** is an outstanding cable for the transmission of digital signals in the 110 Ω AES/EBU and DMX data format. Its shielding is provided by an aluminum-vaporized fleece and copper spiral shielding with 100% coverage. So it offers very good protection against electric and magnetic interference. This cable ensures error-free data transfer over distances of up to 1000 meters/3280 feet. With the **SC-BINARY 234**, you'll be on the safe side.

Also available in a halogen-free FRNC version (521-0051F, according to IEC 332-3).

For the transversely watertight PUR version – see the AQUA-MARINEX series.

FREE SAMPLES AVAILABLE!
Sectional drawing see website.

STRONG PVC
inner
Ø mm **6.2**
out
Shielding **100%**
TO
mm² **2x0.34**
EBU / DMX

APPLICATIONS:

- Networking of scanners, lighting systems, digital mixing consoles, etc.
- For indoor and outdoor installation
- Connection of digital audio amplifiers, DAT recorders, etc.

PRODUCT ADVANTAGES:

- AES/EBU and DMX-conformant, PVC version highly flexible
- Very good shielding due to the use of copper spiral shielding and an aluminum-vaporized fleece
- Extremely rugged due to the special tough jacket
- Only a little more expensive than a standard microphone cable

TECHNICAL DATA

Construction:	(2LI2Y0.34 mm ²)(ST)DY
Jacket, diameter:	PVC/PUR: 6.2 mm; FRNC (accord. to Test Type C): 5.6 mm
Inner conductors:	2 x 0.34 mm ² (AWG22)
Copper strands per conductor:	19 x 0.15 mm
Conductor insulation:	Foam/Skin-PE 1.50 mm
Shielding:	Copper spiral shielding + aluminum steamed fleece
Shielding factor:	100%
Temperature range:	-25°C...+70°C
Fire load per m:	0.17 kWh (520-0051F: 0.23 kWh)
Weight per 1 m:	50 g
Packaging:	100 m spool

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	< 63 pF
Capac. cond./shield. per 1 m:	115 pF
Cond. resistance per 1 km:	53 Ω
Shield. resistance per 1 km:	28 Ω
Insulation resist. per 1 km:	> 1 GΩ
Surge impedance:	110 Ω

COLOR	ORDER NO.
■ black	520-0051
■ blue	520-0052
■ grey	520-0056
★ black, FRNC	520-0051F
★ black, PUR-Blend	521-0051



AES/EBU & DMX CABLE

4-WIRES, BALANCED, OUTDOOR



SC-BINARY 434 DMX512



- STAGE
- MOBILE
- STUDIO
- INSTALL
- ELA

Back and forth, to and fro ...

the dance of bits and bytes should flow. When data needs to be passed back and forth, a digital cable with a check-back channel should be used. The wave impedance of this cable is also specified at 110 Ω. Two of the four wires are responsible for the check-back function. The sturdy jacket is suitable both for outdoor use and permanent installation.

Color coding according to DIN 47100.

Due to the dual shielding (AL/PT foil + copper braiding) and wire coding, it conforms to the generally applicable guidelines (VDE 0812/ VDE 0207). Transmission rate 256 Kbs according to EIA 485 standard.

The PE version is halogen-free, which makes it suitable for underground installation. Flexible PUR blend version for touring and outdoor applications.

The FRNC version is for in-wall installation.

FREE SAMPLES AVAILABLE!
Sectional drawing see website.

STRONG PVC
inner
Ø mm **7.0**
out
Shielding **100%**
TO
mm² **4x0.34**
EBU / DMX

APPLICATIONS:

- Networking of scanners and lighting systems with check-back function
- Connection of digital control units and devices of all kinds
- PE version for underground installation + saltwater-resistant
- PUR blend version for touring outdoor applications

PRODUCT ADVANTAGES:

- Digital transmission over long distances in accordance with DMX and AES/EBU standards
- Excellent protection against electrical interference (copper braiding + AL/PT foil)
- Extremely robust due to the special tough jacket
- PE version: saltwater-resistant and suitable for underground installation
- Cca version: tinned inner conductor

TECHNICAL DATA

Construction:	[2(2LI2YS0.34 mm ²)(ST)]CY
Jacket, diameter:	7.0 mm
Jacket material:	Standard in PVC/ground install. version PE/PUR-blend
Inner conductors:	4 x 0.34 mm ² (AWG22)
Copper strands per conductor:	7 x 0.25 mm
Conductor insulation:	PE 1.7 mm
Shielding:	Copper-cross mesh, tined + AL/PT foil
Shielding factor:	100%
Temperature range:	-25 °C...+70 °C / Cca-Version: -15 °C... +80 °C
Fire load per m:	0.22 kWh
Weight per 1 m:	65 g
Packaging:	100 m spool

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	58 pF
Capac. cond./shield. per 1 m:	100 pF
Cond. resistance per 1 km:	53 Ω
Shield. resistance per 1 km:	15 Ω
Insulation resist. per 1 km:	> 5 GΩ
Surge impedance:	110 Ω

COLOR	ORDER NO.
■ grey, PVC	540-0056
■ black, PVC	540-0051
★ black, PE	540-0051PE
★ black, PUR-Blend	541-0051
★ black, FRNC	540-0051F NEW



AES/EBU & DMX CABLE

4-WIRES, BALANCED, OUTDOOR, TWISTED PAIR

SC-BINARY 422 TP DMX512

STAGE
 MOBILE
 STUDIO
 INSTALL
 ELA
 ANALOG
 DIGITAL
 TERRA
 OFC

These two don't want to know each other ...

but they live in the same jacket! To minimize the diameter or to save space, AES/EBU- or DMX cables are normally "cross-stranded", just like with our **SC-BINARY 434**. When used under extremely tough conditions, the wires can slightly shift which might result in a slightly wider tolerance range for the electrical data. To be on the safe side, you can go for this somewhat more complex version, with individual wire pair shielding, plus additional AL/PT foil insulation on both wire pairs. While this makes the cable a bit thicker, of course, this also gives it extra stability. The new **SC-BINARY TP** (TWISTED PAIR) is fitted with an abrasion-proof, cold-resistant S-PVC jacket. With its dual shielding (AL/PT foil + copper braiding) and wire coding, it complies with the generally applicable guidelines (VDE 0812/VDE 0207). Transmission rate 256 Kbs according to EIA 485.

FREE SAMPLE AVAILABLE!

Sectional drawing see website.

APPLICATIONS:

- Connection of scanners and lighting systems with check-back function
- Connection of digital control units and devices of all kinds
- S-PVC jacket for mobile outdoor applications



Ø mm
8.0
 Shielding
100%
 mm²
4x0.22

PRODUCT ADVANTAGES:

- Digital transmission over long distances based on DMX- and AES/EBU standards
- Excellent protection against electric interference (copper braiding + AL/PT foil) plus twisted-pair design
- Extremely sturdy owing to the tough jacket

TECHNICAL DATA

Construction:	[2(2LI2YS0.22 mm ²)(ST)]CY
Jacket, diameter:	8.0 mm
Jacket material:	S-PVC
Inner conductors:	4 x 0.22 mm ² (AWG24)
Copper strand per conductor:	7 x 0.20 mm
Conductor insulation:	Foam/Skin-PE 1.55 mm
Shielding:	Copper braiding tin-plated + 2 x AL/PT foil
Shielding factor:	100%
Temperature range:	-25°C...+70°C
Fire load per m:	0.25 kWh
Weight per 1 m:	76 g
Packaging:	100 m spool

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	45 pF
Capac. cond./shield. per 1 m:	110 pF
Cond. resistance per 1 km:	< 87 Ω
Shield. resistance per 1 km:	15 Ω
Insulat. resistance per 1 km:	> 100 MΩ
Surge impedance:	110 Ω
Transmission speed:	accord. to EIA-485 standard 256 Kbs

COLOR

- black
- blue

ORDER NO.

542-0051
542-0052



BUS-CONTROL CABLE

2 x 0.38 mm²/0.35 mm²/AWG21 CONTROL + 2 x 2.0 mm²/AWG14 POWER; 2 x 0.25 mm²/AWG23 CONTROL + 2 x 1.0 mm²/AWG17 POWER

SC-KOLORITH 1 / SC-KOLORITH MINI

MOBILE
 STUDIO
 INSTALL
 ELA
 ANALOG
 DIGITAL
 CPR
 FRNC
 HALOGEN-FREE
 OFC

It colors up your life ...

for the **SC-KOLORITH** is the perfect cable for use with low-voltage/intelligent DC loudspeaker products from MEYER SOUND. It is also great for building installation systems on a BUS basis as well as for connecting color wheels. The **SC-KOLORITH** transmits data and supplies power in one cable. The pairwise stranded data line (wave impedance 110 Ω) is shielded and, due to the use of fine 0.10 mm/AWG38 stranded single wires, guarantees high bending cycles. With 2 mm²/AWG14 (or 1 mm²/AWG17 on the **SC-KOLORITH MINI**), the two voltage supply wires are ideally dimensioned for the transmission of voltages up to 50 V with low power losses. The **SC-KOLORITH MINI** fits perfectly into the EN3 connector from Switchcraft – see also the chapter "Ready-made Cables".

FREE SAMPLE AVAILABLE!

Sectional drawing see website.

APPLICATIONS:

- For connecting low-voltage /intelligent DC products made by Meyer Sound
- For connection to a color wheel
- For installation purposes (studio, illumination, building services engineering)
- Outdoor installation applications



Ø mm
7.4 Ø mm
6.5
 Shielding
100% Shielding
100%
 mm² mm²
2x0.35+P **2x0.25+P**

PRODUCT ADVANTAGES:

- Connection of building services engineering systems over distances of up to 1000 m/3280 ft.
- Also suitable as audio/speaker hybrid cable
- Very compact, flexible and easy to use

TECHNICAL DATA

	KOLORITH 1	KOLORITH MINI
Construction:	[2LIY2.0 mm ² + (2LIY0.38 mm ² /0.35 mm ²)(ST)]Y	[2LIY1.0 mm ² + (2LIY0.25 mm ²)(ST)]Y
Jacket, diameter:	7.4 mm (total)	6.5 mm (total)
Inner conductors:	audio: PVC: 2 x 0.38 mm ² (AWG21) / FRNC: 2 x 0.35 mm ² (AWG22)	2.3 mm (BUS/audio)
	power: 2 x 2.0 mm ²	2 x 1.0 mm ²
Copper strand per conductor:	BUS: PVC: 48 x 0.10 mm FRNC: 45 x 0.10 mm	32 x 0.10 mm tin-plated
Conductor insulation (Audio):	PP 1.3 mm	PP 1.3 mm
Shielding:	AL/PT foil + filler strand (BUS/audio)	
Shielding factor:	100%	100%
Temperature range::	-25°C... +70°C	-25°C... +70°C
Fire load per m:	0.32 kWh	0.239 kWh
Weight per 1 m:	88 g	55 g
Packaging:	per m	per m

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	65 pF (BUS/audio)	73 pF (BUS/audio)
Capac. cond./shield. per 1 m:	104 pF (BUS/audio)	115 pF (BUS/audio)
Cond. resistance per 1 km:	< 60 Ω (BUS/audio)	< 78 Ω (BUS/audio)
Shield. resistance per 1 km:	25 Ω	30 Ω
Insulation resist. per 1 km:	> 1 GΩ	> 20 MΩ
Surge impedance:	110 Ω	110 Ω

COLOR

- black, PVC
- black, FRNC/Dca
- black, PVC, MINI
- black, FRNC, MINI

ORDER NO.

500-0101-1
500-0101-1FC NEW
500-0111-1
500-0111-1FC NEW





MULTIPAIR STAGE, STUDIO & INSTALLATION AUDIO

[AES/EBU]

BALANCED, INSULATED IN PAIRS, COPPER SPIRAL SHIELDING

SC-QUANTUM HIGHFLEX

⊗ STAGE ⊗ MOBILE ⊗ STUDIO ⊗ INSTALL 

ANALOG DIGITAL OFC

A true all-rounder ...

because it could not be any longer, faster or more flexible. The **SC-QUANTUM HIGHFLEX** is just the cable that all "bending radius fetishists" want. Event technicians, musicians and ambitious live sound engineers have always been dreaming of this cable. The **SC-QUANTUM HIGHFLEX** is absolutely torsion-free, i.e. it can be easily wound in a figure-8 and will not twist during winding or unwinding. The S-PVC jacket, which is abrasion and cold-resistant down to -25°C (-13°F), feels soft – due to the superfine 0.07 mm/AWG41 individual copper strands and the polyethylene insulated wire protection. The interior is also wonderfully supple and unbreakable. From the 8-pair version upward, we have included an extra yellow/green PE wire (Protective Earth) to provide added stability and safety. The electrical and mechanical specs are likewise remarkable. Each wire pair is shrouded in an additional layer of insulation, numbered and shielded by a copper spiral with 99% coverage. The **SC-QUANTUM HIGHFLEX** stands out with its low 445 pF/m (13.7 pF/ft.) wire:wire capacitance and will continue to meet the 110 Ω AES/EBU specifications for several hundred meters! The wire pair diameter is perfectly suitable for direct mounting (e.g., of an XLR connector). The interior is protected from adverse influences by a highly flexible PVC jacket provides a wall thickness of almost 2 mm/0.079". There has never been a cable with such electrical and mechanical values offered at such a low price!

(Multipair cable incl. load – see DMX multicore **SC-MONOLITH POWER DMX**)

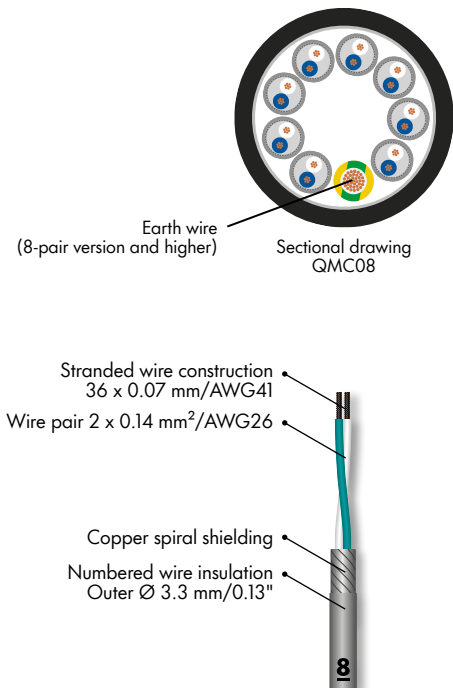
FREE SAMPLE AVAILABLE!

APPLICATIONS:

- Professional stage and live multicore with separate or central grounding
- Creation of highly flexible studio fanouts, analog and digital
- Permanent installation

PRODUCT ADVANTAGES:

- Each wire pair is individually insulated and shielded by a copper spiral (99% coverage)
- Additional ground wire (from 8-pair version on up)
- Very low 45 pF/m (13.7 pF/ft.) wire:wire capacitance
- Highly flexible and reelable without twisting
- In compliance with AES/EBU (110 Ω)
- Very attractive price



TECHNICAL DATA

Construction:	[xx(2LI2Y0.14 mm ²)DY+(0.5 mm ²)Y]Y
Jacket material:	S-PVC
AWG:	AWG26
Conductor insulation:	Skin-PE
Shielding:	Copper spiral in pairs, tin-plated
Shielding factor:	99%
Temperature range:	-25°C...+80°C
Jacket color:	■ black, matt
Packaging:	per m

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	45 pF
Capac. cond./shield. per 1 m:	90 pF
Cond. resistance per 1 km:	< 138 Ω
Insulat. resistance per 1 km:	> 20 MΩ
Surge impedance:	110 Ω

TYPE	Ø	INNER COND.	COPPER STR.COND.	FIRE LOAD	WEIGHT	ORDER NO.
QMC02	8.5 mm	2 x 2 x 0.14 mm ²	36 x 0.07 mm	0.26 kWh/m	80 g/m	100-0451-02
QMC04	10.2 mm	4 x 2 x 0.14 mm ²	36 x 0.07 mm	0.41 kWh/m	108 g/m	100-0451-04
QMC08	13.8 mm	8 x 2 x 0.14 mm ²	36 x 0.07 mm	0.55 kWh/m	200 g/m	100-0451-08
QMC12	16.0 mm	12 x 2 x 0.14 mm ²	36 x 0.07 mm	0.83 kWh/m	255 g/m	100-0451-12
QMC16	17.5 mm	16 x 2 x 0.14 mm ²	36 x 0.07 mm	1.04 kWh/m	325 g/m	100-0451-16
QMC24	21.5 mm	24 x 2 x 0.14 mm ²	36 x 0.07 mm	1.50 kWh/m	480 g/m	100-0451-24
QMC32	24.0 mm	32 x 2 x 0.14 mm ²	36 x 0.07 mm	1.92 kWh/m	630 g/m	100-0451-32
QMC48	29.0 mm	48 x 2 x 0.14 mm ²	36 x 0.07 mm	2.94 kWh/m	950 g/m	100-0451-48





MULTIPAIR STUDIO, INSTALLATION

BALANCED, INSULATED IN PAIRS, AL/PT FOIL SHIELDING + AL/PT FOIL OVERALL SHIELDING

AUDIO [AES/EBU]

SC-MISTRAL

MOBILE
 STUDIO
 INSTALL
 ANALOG
 DIGITAL
 OFC
 FRNC

Almost as old as Methuselah ...

that's the **SC-MISTRAL MCF** multipair. We have been making it for almost 10 years using the same proven technology. The **SC-MISTRAL MCF** features PVC insulation around each wire pair, as is standard for studio multicores. Each pair is numbered, and each block of 8 pairs has its own color-coding for easy identification. Each wire pair of the **SC-MISTRAL MCF** is accompanied by its own pre-twisted drain wire, and around all three is a shielding made of AL/PT compound foil. For added protection against corrosion and oxidation, both the conductors and the drain wire have been tinned. The cable is particularly easy to work with, because the AL/PT foil will stick to the outer jacket when stripping. The **SC-MISTRAL MCF** is very easy to lay and reel. We also recommend it for the assembly of multicore adapters. The insulated pairs can be directly inserted into XLR and 1/4" connectors without needing additional shrink tubing.

The model versions MCF04, MCF08 and MCF12 are also available in a **halogenfree and flameretardant FRNC version** (IEC 332-3) for permanent installation.

FRNC VERSION NOW AVAILABLE!

IN COMPLIANCE WITH AES/EBU 110 Ω

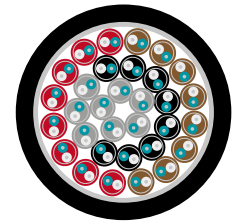
FREE SAMPLE AVAILABLE!

APPLICATIONS:

- Ideal for studio installation and other permanent installs
- Fixed installation in theaters, public buildings, etc.
- Construction of dependable cable reel systems

PRODUCT ADVANTAGES:

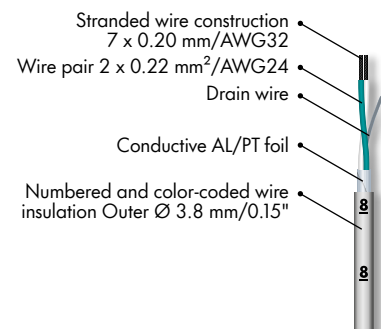
- Additional insulation for each wire pair with a numbered and color-coded PVC sleeve
- Very flexible and crush-resistant owing to the use of a rubber-like jacket material
- Easy to work with due to the use of compound foil and a pre-twisted drain wire
- High bending cycles due to the tightly stranded copper wires
- Returns on cable fanouts are instantly recognizable thanks to the color coding of conductor pairs
- Low capacitance ensures high transmission quality even over greater distances
- Very reasonably priced



Sectional drawing MCF32

COLOR

■ grey	Wire pair	1 - 8
■ black	Wire pair	9 - 16
■ brown	Wire pair	17 - 24
■ red	Wire pair	25 - 32



Microphone and control cable
SC-PLANET CPR class Cca,
 1 and 2 x 2 x 0.34 mm², see webshop.
 Order No.: 100-0041-01C / -02C



TECHNICAL DATA

Construction:	[xx(2LI2Y0.22 mm ²)(ST)Y]F(ST)Y
Jacket material:	S-PVC/FRNC
AWG:	AWG24/7
Conductor insulation:	Foam/Skin-PE 1.6 mm
Shielding:	AL/PT foil + total foil shielding + filler strand
Shielding factor:	100%
Temperature range:	-30°C...+70°C
Jacket color:	■ black, matt
Packaging:	per m

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	46 pF
Capac. cond./shield. per 1 m:	85 pF
Cond. resistance per 1 km:	< 80 Ω
Shield. resistance per 1 km:	75 Ω
Insulation resist. per 1 km:	> 1 GΩ
Surge impedance:	110 Ω

Attenuation per 100 m:	1 MHz:	3.9 dB
	5 MHz:	6.1 dB
	10 MHz:	8.1 dB
	20 MHz:	12.6 dB
	40 MHz:	23.4 dB
	50 MHz:	28.6 dB

TYPE	Ø	INNER CONDUCTOR	COPPER STR./COND.	FIRE LOAD	WEIGHT	ORDER NO.
MCF02	9.0 mm	2 x 2 x 0.22 mm ²	7 x 0.20 mm	0.58 kWh/m	90 g/m	100-0101-02
MCF04	11.0 mm	4 x 2 x 0.22 mm ²	7 x 0.20 mm	0.76 kWh/m	130 g/m	100-0101-04
MCF04 FRNC	11.0 mm	4 x 2 x 0.22 mm ²	7 x 0.20 mm	0.54 kWh/m	116 g/m	100-0101-04F
MCF08	14.8 mm	8 x 2 x 0.22 mm ²	7 x 0.20 mm	1.21 kWh/m	256 g/m	100-0101-08
MCF08 FRNC	15.0 mm	8 x 2 x 0.22 mm ²	7 x 0.20 mm	0.97 kWh/m	201 g/m	100-0101-08F
MCF12	17.6 mm	12 x 2 x 0.22 mm ²	7 x 0.20 mm	1.78 kWh/m	338 g/m	100-0101-12
MCF12 FRNC	16.9 mm	12 x 2 x 0.22 mm ²	7 x 0.20 mm	1.38 kWh/m	274 g/m	100-0101-12F
MCF16	19.4 mm	16 x 2 x 0.22 mm ²	7 x 0.20 mm	2.25 kWh/m	400 g/m	100-0101-16
MCF24	24.5 mm	24 x 2 x 0.22 mm ²	7 x 0.20 mm	3.06 kWh/m	670 g/m	100-0101-24
MCF32	26.8 mm	32 x 2 x 0.22 mm ²	7 x 0.20 mm	4.04 kWh/m	836 g/m	100-0101-32



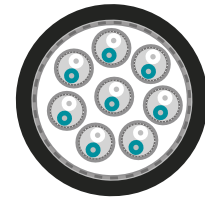


MULTIPAIR STAGE + OB VAN

BALANCED, INSULATED IN PAIRS, COPPER SPIRAL SHIELDING + COPPER OVERALL SHIELDING

SC-TRANSFER HIGHFLEX

STAGE MOBILE STUDIO INSTALL
 ANALOG PUR OFC



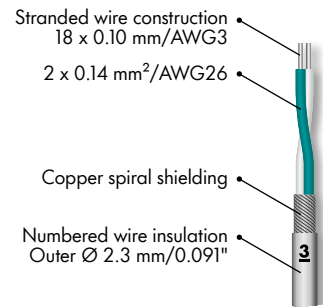
Sectional drawing AMCK08

5-year test trial ...

this is the cable that anyone involved in sound, broadcasting and TV has been waiting for. Together with leading sound companies and employees from a variety of broadcasting stations, our technicians have developed a new multipair cable for tough outdoor applications. To make sure that it handles cold, hard winter conditions well, we have fitted it with our specially formulated robust cold-resistant PUR Master Blend jacket. This guarantees temperature stability down to $-40^{\circ}\text{C}/-40^{\circ}\text{F}$, furthermore it is also very heat-resistant and abrasion-proof. The outer PUR jacket and the inner TPC-ET wire insulation were made for extreme applications. Rest assured that bending, heavy tugging, and dragging on the ground will barely affect this cable. Of course, this cable can also be used as a high-quality stage or installation cable. We're happy to announce that the new **SC-TRANSFER HIGHFLEX** Multipair with the "MASTER BLEND" PUR jacket is available for immediate delivery. This jacket is so rugged and wear-proof that the cable comes with a 5-year warranty.

(For a powered version of this cable, see DMX multicorev **SC-MONOLITH POWER DMX**)

FREE SAMPLE AVAILABLE!



Stranded wire construction
18 x 0.10 mm/AWG3

2 x 0.14 mm²/AWG26

Copper spiral shielding

Numbered wire insulation
Outer Ø 2.3 mm/0.091"

We use a PUR Master Blend jacket of the highest quality. It is not only cold-resistant, but also heat-proof and completely adhesion-free (dirt-repellent)!



APPLICATIONS:

- Reelable cable for broadcasting and OB vans
- Permanent indoor and outdoor installation
- Extremely robust stage cable for high-quality stagebox systems
- Perfect studio line due to the high protection against interference

PRODUCT ADVANTAGES:

- Super small in diameter and very robust
- Extra paired insulation with a numbered PVC sleeve
- Excellent shielding against interference with a dense overall screen made of tinned copper braiding, plus copper spiral shielding around each wire pair
- Excellent signal transmission due to tightly stranded copper wiring

Shielding
90%

ste
mm²
x2x0.14

TECHNICAL DATA

Construction:	[xx(2LI2Y0.14 mm ²)DY]CY PUR
Jacket material:	PUR, Master Blend
AWG:	AWG26
Conductor insulation:	PE 0.85 mm, wire jacket TPC-ET 2.3 mm
Shielding:	Copper spiral in pairs, overall shielding copper braiding, tin-plated
Shielding factor:	90%
Temperature range:	$-40^{\circ}\text{C} \dots +70^{\circ}\text{C}$ (accord. to ISO458)
Jacket color:	■ black
Packaging:	per m

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	85 pF
Capac. cond./shield. per 1 m:	140 pF
Cond. resistance per 1 km:	< 138 Ω
Shield. resistance per 1 km:	< 125 Ω
Insulation resist. per 1 km:	> 1 G Ω
Surge impedance:	75 Ω

TYPE	Ø	INNER COND.	COPPER STR./COND.	FIRE LOAD	WEIGHT	ORDER NO.
AMCK08	9.9 mm	8 x 2 x 0.14 mm ²	18 x 0.10 mm	0.40 kWh/m	138 g/m	100-0401-08
AMCK12	11.5 mm	12 x 2 x 0.14 mm ²	18 x 0.10 mm	0.50 kWh/m	180 g/m	100-0401-12
AMCK16	14.5 mm	16 x 2 x 0.14 mm ²	18 x 0.10 mm	0.78 kWh/m	274 g/m	100-0401-16
AMCK32	18.6 mm	32 x 2 x 0.14 mm ²	18 x 0.10 mm	1.12 kWh/m	478 g/m	100-0401-32
AMCK48	21.8 mm	48 x 2 x 0.14 mm ²	18 x 0.10 mm	1.65 kWh/m	765 g/m	100-0401-48



☎ x00043

MULTIQUAD STUDIO HIGH-END

BALANCED, INSULATED BY CHANNEL, AL/PT FOIL AND COPPER SPIRAL SHIELDING + COPPER OVERALL SHIELDING

AUDIO [AES/EBU]

SC-PEGASUS

STAGE
 MOBILE
 STUDIO
 INSTALL
 HIFI

ANALOG
 DIGITAL
 OFC



Reaching for the stars ...

was our aim with this cable. We came up with a high-end multiconductor cable which may very well be the best available on the market today. This is the multi-channel audio cable for the ambitious studio professional unwilling to compromise on linearity and shielding. To achieve optimal sound, wire the four conductors of each channel in a star-quad arrangement, with the opposite conductors wired in parallel. That way we achieve an incredibly low capacitive value of approximately 37 pF/m (11.3 pF/ft.) wire:wire, and thus a nearly loss-free transmission over greater distances. When wired in a cross formation, the **SC-PEGASUS** can be used for digital applications (AES/EBU 110 Ω)! Our tight stranding, using fine oxygen-free copper stranded wires with a diameter of just 0.05 mm/AWG44, is optimal for delivering a pristinely accurate signal across the entire frequency spectrum, while providing the advantage of high bending cycles and a long life.

The **SC-PEGASUS** has shielding that goes far beyond the demands normally required of a high-end multipair cable, partially because it is literally multi-quad. It is equipped with an overall screen, plus an individual shield for each channel, each with 100% optical coverage. The overall shield is made of copper cross-braiding, and the channel screens consist of a copper spiral with an additional conductive AL foil. The **SC-PEGASUS** is not only protected against external interference, but each set of channel wires are also perfectly separated and shielded from each other.

With the **SC-PEGASUS**, you are purchasing a cable that represents the present and future in state-of-the-art multi-channel connectivity, so that going forward you can finally focus entirely on your music and your mix.

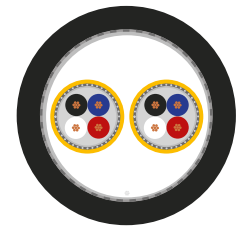
FREE SAMPLE AVAILABLE!

APPLICATIONS:

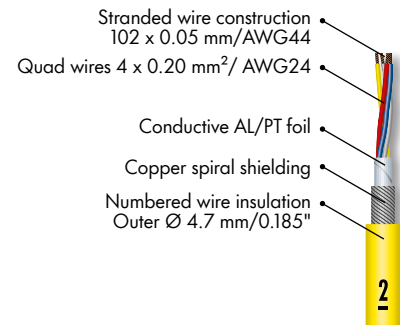
- Ultimate studio reference cable
- High-end permanent installations
- Construction of high-end stagebox systems

PRODUCT ADVANTAGES:

- Smoothly balanced sound across entire audible spectrum
- Low-loss signal transmission and perfect shielding
- Absolutely superb technical and electrical values
- Digital-capable (when wired in a star-quad configuration, i.e. a double-balanced cross formation)



Sectional drawing CMCK02



Two things surprised us.

The high capacitive values of the star-quad cables from other manufacturers and the fact that a star-quad connection did not yield the values to be expected from a studio multipair. Even a star-quad value of 70 pF/m (21.3 pF/ft.) wire:wire could not compare with a budget



SOMMER CABLE audio multicore (standard 45 to 65 pF/m (13.7 to 19.8 pF/ft.) wire: wire with SC-Planet FMC, SC-Quantum Highflex, C-Mistral etc.). It became obvious that we should also "crossbreed" our cables... and surprise, surprise!

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	37 pF (star-quad))
Capac. cond./shield. per 1 m:	76 pF (star-quad)
Cond. resistance per 1 km:	< 100 Ω
Insulat. resistance per 1 km:	> 20 MΩ
Surge impedance:	110 – 120 Ω (star-quad)
Attenuation per 100 m (20°C):	1 MHz: 3.2 dB
	10 MHz: 8.9 dB
	25 MHz: 14.6 dB
	50 MHz: 20.0 dB
	75 MHz: 24.3 dB
	100 MHz: 28.3 dB



BULK CABLE - AUDIO

TECHNICAL DATA

Construction:	[xx(4LI2Y0.20 mm²)(ST)DY]CY
Jacket material:	S-PVC
AWG:	AWG24
Conductor insulation:	Foam/Skin-PE
Shielding:	Copper braiding tin-plated (overall) and copper spiral tin-plated + AL/PT foil (wire pair)
Shielding factor:	100%
Temperature range:	-20°C...+70°C
Jacket color:	■ black
Packaging:	per m

TYPE	Ø	INNER COND.	COPPER STR./COND.	FIRE LOAD	WEIGHT	ORDER NO.	
CMCK02	13.5 mm	2 x 4 x 0.20 mm²	102 x 0.05 mm	0.72 kWh/m	194 g/m	100-0501-02	 x00044
CMCK04	15.4 mm	4 x 4 x 0.20 mm²	102 x 0.05 mm	1.15 kWh/m	295 g/m	100-0501-04	
CMCK08	21.0 mm	8 x 4 x 0.20 mm²	102 x 0.05 mm	1.93 kWh/m	538 g/m	100-0501-08	



COMPACT MULTIPAIR BROADCAST

BALANCED, INSULATED IN PAIRS, COPPER SPIRAL SHIELDING + COPPER OVERALL SHIELDING

AUDIO [AES/EBU]

SC-AURA DMCK

- X STAGE X MOBILE X STUDIO X INSTALL
- ANALOG DIGITAL FRNC OFC

A perfect 10 ...

if you're looking for the perfect cable to fit the Siemens multi-pin connector. With a diameter of only 12.0 mm/0.472", the **SC-AURA DMCK10** (100-0351-10F) is simply perfect for the SIEMENS male/female DIN41622 and all other multi-pin connectors. What makes it special is not just the small diameter, but also a constant wave impedance of 110 Ω (±3% tolerance). We were able to maintain this constant wave impedance by leaving out the drain wire. Instead we used a dense and tightly stranded oxygen-free copper spiral. The entire wire pair is then protected by a color-coded insulation.

So the **SC-AURA** is not only sturdy, but also perfectly shielded against interference.

The **SOFT-PUR-FRNC** version is easy to reel and hence perfectly suitable for touring applications, yet equally suitable for permanent installation with the FRNC jacket. We recommend the lower-priced 10-pair PVC version for the assembly of patch cables and for mobile indoor applications.

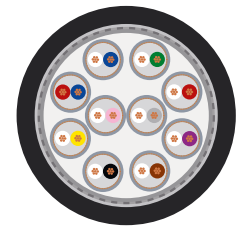
THE SPECIAL CABLE FOR THE SIEMENS MULTI-PIN CONNECTOR!
FREE SAMPLE AVAILABLE!

APPLICATIONS:

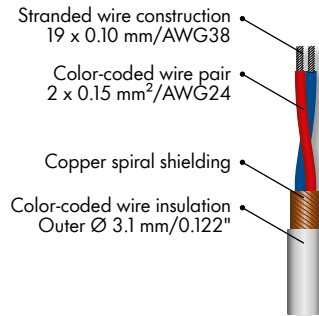
- Mobile production (outdoor: SOFT-PUR-FRNC/indoor: PVC) and permanent installation (FRNC)
- Transmission of digital signals in the studio setting
- Flexible stage multipair (stageboxes, insert snakes, etc.)

PRODUCT ADVANTAGES:

- Small diameter of 12.0 mm/0.472" (DMCK10-F), thus ideal for finishing for the 30-pin SIEMENS type male and Sub-D connectors
- Highly flexible due to the tight stranding and supple jacket material
- Extremely durable due to the use of oxygen-free copper and individually insulated wire pairs
- Due to the smart design, a constant wave impedance of 110 Ω is guaranteed even after repeated reeling
- Ideal as AUDIO multipair due to low attenuation values



Sectional drawing DMCK10 PVC



Color code according to ARD functional specs

Channel	+	-
CH1	red	blue
CH2	white	brown
CH3	white	green
CH4	white	yellow
CH5	white	grey
CH6	white	pink
CH7	white	blue
CH8	white	red
CH9	white	black
CH10	white	violet

Color code of DMCK 10 PVC

Channel	+	-
CH1	black	red
CH2	black	white
CH3	black	green
CH4	black	blue
CH5	black	yellow
CH6	black	brown
CH7	black	orange
CH8	red	white
CH9	red	green
CH10	red	blue

Shielding **90%**

mm² **x2x0.15**

TECHNICAL DATA

Construction:	[x(2LI2Y0.15 mm²)DY]CY
Jacket material:	PVC / Soft-PUR-FRNC
AWG:	AWG26
Conductor insulation:	PE 1.10 mm
Shielding:	Copper spiral + overall shielding out of copper braiding, tin-plated
Shielding factor:	90%
Temperature range:	PVC: -20°C...+70°C FRNC: -30°C...+80°C
Packaging:	per m

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	55 pF
Capac. cond./shield. per 1 m:	160 pF
Cond. resistance per 1 km:	< 130 Ω
Shield. resistance per 1 km:	< 125 Ω
Insulation resist. per 1 km:	> 1 GΩ
Surge impedance:	110 Ω

TYPE	COLOR	Ø	INNER COND.	COPPER STR./COND.	FIRE LOAD	WEIGHT	ORDER NO.
DMCK10 PVC	■ black	14.4 mm	10 x 2 x 0.15 mm²	19 x 0.10 mm	0.90 kWh/m	262 g/m	100-0351-10
DMCK10 SOFT-PUR-FRNC	★ black	12.2 mm	10 x 2 x 0.15 mm²	19 x 0.10 mm	0.90 kWh/m	200 g/m	100-0351-10F





MULTIPAIR MODULATION CABLE, FRNC

BALANCED, HALOGEN-FREE + FLAME-RETARDANT, INSULATED IN PAIRS, AL/PT FOIL SHIELDING + AL/PT FOIL AND COPPER OVERALL SHIELDING

AUDIO [AES/EBU]

SC-MATRIX

✗ INSTALL ✗ ELA

ANALOG DIGITAL FRNC HALOGEN-FREE TERRA OFC

"Beneficent is fire's might ...

when man subdues and watches it." – Friedrich Schiller

Tamed are the flames if they extinguish themselves during a fire and no hazardous gases are set free. This is ensured by a special jacket and a clever interior construction, built according to the FRNC guideline for halogen-free and flame-retardant cables. It's obligatory for any installations in public buildings.

The **SC-MATRIX** is a digital multipair or modulation cable which, owing to its large wire cross-section of 0.25 mm²/AWG23, is also suitable for installation over distances exceeding 130 m/425 ft. Due to the AL/PT foil screen around each pair and the overall screen consisting of both AL/PT foil and copper braiding, the **SC-MATRIX** offers excellent protection against external interference.

This cable is not suitable for mobile applications!

SUITABLE FOR UNDERGROUND INSTALLATION!

ALSO USABLE AS AUDIO MULTIPAIR!

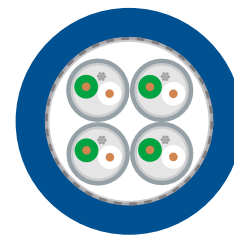
FREE SAMPLE AVAILABLE!

APPLICATIONS:

- To be used as an audio, modulation and AES/EBU cable
- Permanent installation in public buildings such as schools, theaters and discos
- Installation in broadcasting studios for interconnecting sound systems
- Underground installation

PRODUCT ADVANTAGES:

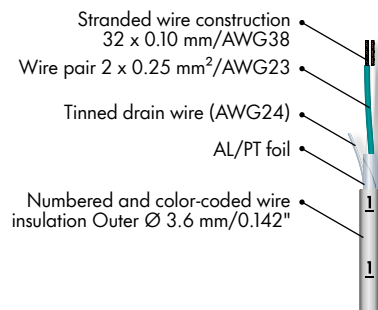
- Halogen-free and flame-retardant according to test type C (IEC60332-1 + 60332-3)
- Suitable for long distances due to the large wire cross-section of 0.25 mm²/AWG23
- Digital-capable due to the 110 Ω wave impedance
- For better identification, the wire pairs are numbered and color-coded



Sectional drawing MMC04

COLOR

grey	Wire pair	1 – 8
black	Wire pair	9 – 16
brown	Wire pair	17 – 24
red	Wire pair	25 – 32



TECHNICAL DATA

Construction:	[xx(2LI2Y0.25 mm ²)DH]CH
Jacket material:	FRNC accord. to Test Type C
AWG:	AWG23
Conductor insulation:	Foam/Skin-PE 1.6 mm
Shielding:	AL/PT foil + AL/PT foil and copper braiding overall shielding
Shielding factor:	100%
Temperature range:	-20°C...+80°C
Jacket color:	■ dark blue
Packaging:	per m

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	46 pF
Capac. cond./shield. per 1 m:	105 pF
Cond. resistance per 1 km:	< 72 Ω
Insulation resist. per 1 km:	> 1G Ω
Surge impedance at 1.0 Mhz:	110 Ω
Attenuation per 100 m (20°C):	1 MHz: 1.74 dB
	5 MHz: 7.00 dB
	10 MHz: 11.30 dB
	20 MHz: 17.80 dB
	40 MHz: 29.10 dB
	60 MHz: 39.10 dB
	80 MHz: 48.30 dB
	100 MHz: 56.90 dB

TYPE	Ø	INNER CONDUCTOR	COPPER STR./COND.	FIRE LOAD	WEIGHT	ORDER NO.
MMC 02	10.0 mm	2 x 2 x 0.25 mm ²	32 x 0.10 mm	0.22 kWh/m	110 g/m	100-0302-02
MMC 04	11.9 mm	4 x 2 x 0.25 mm ²	32 x 0.10 mm	0.32 kWh/m	158 g/m	100-0302-04
MMC 08	15.5 mm	8 x 2 x 0.25 mm ²	32 x 0.10 mm	0.51 kWh/m	288 g/m	100-0302-08
MMC 12	18.5 mm	12 x 2 x 0.25 mm ²	32 x 0.10 mm	0.76 kWh/m	452 g/m	100-0302-12
MMC 16	21.5 mm	16 x 2 x 0.25 mm ²	32 x 0.10 mm	0.90 kWh/m	540 g/m	100-0302-16



■ x00046



MULTIPAIR MODULATION CABLE, FIXED INSTALLATION, FRNC/DCA AUDIO [AES/EBU]

BALANCED, SOLID WIRES, HALOGEN-FREE + FLAME-RETARDANT, INSULATED IN PAIRS, AL/PT FOIL SHIELD. + AL/PT FOIL, COPPER OVERALL SHIELDING

SC-LOGICABLE MP

⊗ INSTALL ⊗ ELA
ANALOG DIGITAL CPR FRNC HALOGEN-FREE OFC

It may be a little more rigid ...

but it's also a little less expensive. In short, this is exactly what people demand from a modulation cable with solid conductors. Due to its simple construction, the **SC-LOGICABLE** does not cost an arm and a leg, but fulfills all important criteria required for fixed installations. The **SC-LOGICABLE** multipair cable guarantees remarkable electrical specifications, i.e. wire:wire capacitance of 45 pF/m (13.1 pF/ft.), excellent overall shielding (copper braiding + aluminum foil), a halogen-free and flame-retardant jacket which complies with the toughest fire safety standards (FRNC-IEC60332.3, test type C) as well as individually insulated, numbered and shielded wire pairs (PiMF).

The advantage of solid core wires is that with relatively simple means one can achieve very good attenuation values and low capacitance, which in turn is very important for the long distances these cables are laid. Furthermore an optimal connection to LSA+ multipoint connectors is possible.

Please note that cables of this type are not suitable for mobile applications.

FREE SAMPLE AVAILABLE!

Safety cable **SC-LOGIC SAFETY BD/JE-H (ST) H...BD** and telecommunication cable **LOGICABLE LG/J-Y (ST) Y LG** see webshop



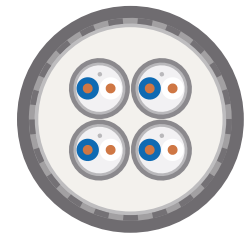
x01664

APPLICATIONS:

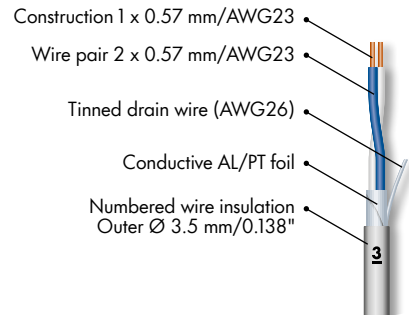
- Fixed installation in in-wall construction
- Data transmission according to AES/EBU standards in the broadcast arena

PRODUCT ADVANTAGES:

- Triple shielding for superb noise immunity
- Very reasonably priced
- Simultaneous transmission of high-quality analog signals and digital data in the AES/EBU format (110 Ω)
- Conforms to the highest fire protection class FRNC, according to IEC60332.3, test type C as well as CPR euro class Dca
- Very easy to work with – usable with LSA+ multipoint connectors



Sectional drawing MODF 04



With the „**Powercut PC85**“ you can make fast, clean and precise cuts (up to 6.00 mm²/AWG9)!

TECHNICAL DATA

Construction:	[xx(J-02YS0.57 mm)(ST)]CH
Jacket material:	FRNC (Test Type C) accord. VDE 0472 and IEC-332-3
CPR euro class:	Dca
AWG:	AWG23/1
Conductor insulation:	Foam/Skin-PE 1.5 mm
Shielding:	Copper braiding tin-plated 85% + AL foil (overall) and filler strand tin-plated AWG26 (0.4 mm) + AL foil (wire pairs)
Shielding factor:	100%
Temperature range:	-30°C...+70°C (permanent installation)
Jacket color:	■ grey RAL 7001
Packaging:	per m

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	43 pF
Capac. cond./shield. per 1 m:	83 pF
Cond. resistance per 1 km:	< 82 Ω
Insulation resist. per 1 km:	1 GΩ
Surge impedance:	110 Ω ±5%
Attenuation per 100 m (20°C):	300 KHz: 1.4 dB
	600 KHz: 2.0 dB
	1 MHz: 2.5 dB
	10 MHz: 6.3 dB
	20 MHz: 8.6 dB

TYPE	Ø	INNER COND.	COPPER STR./COND.	FIRE LOAD	WEIGHT	ORDER NO.	NEW
MODF 01, Dca	5.5 mm	1 x 2 x 0.57 mm	1 x 0.57 mm	0.05 kWh/m	40 g/m	100-1156-01C	
MODF 02, Dca	9.0 mm	2 x 2 x 0.57 mm	1 x 0.57 mm	0.25 kWh/m	95 g/m	100-1156-02C	
MODF 04, Dca	11.1 mm	4 x 2 x 0.57 mm	1 x 0.57 mm	0.40 kWh/m	126 g/m	100-1156-04C	
MODF 06, Dca	12.4 mm	6 x 2 x 0.57 mm	1 x 0.57 mm	0.49 kWh/m	190 g/m	100-1156-06C	
MODF 08, Dca	14.0 mm	8 x 2 x 0.57 mm	1 x 0.57 mm	0.55 kWh/m	238 g/m	100-1156-08C	
MODF 10, Dca	15.3 mm	10 x 2 x 0.57 mm	1 x 0.57 mm	0.65 kWh/m	280 g/m	100-1156-10C	
MODF 12, Dca	17.2 mm	12 x 2 x 0.57 mm	1 x 0.57 mm	0.92 kWh/m	396 g/m	100-1156-12C	
MODF 20, Dca	22.6 mm	20 x 2 x 0.57 mm	1 x 0.57 mm	1.45 kWh/m	580 g/m	100-1156-20C	
MODF 24, Dca	23.6 mm	24 x 2 x 0.57 mm	1 x 0.57 mm	1.53 kWh/m	672 g/m	100-1156-24C	
MODF 32, FRNC	27.0 mm	32 x 2 x 0.57 mm	1 x 0.57 mm	1.98 kWh/m	770 g/m	100-1156-32	



x00047

AES/EBU, DMX & POWER HYBRID CABLE

POWER + 1/2/4/8 X DMX

SC-MONOLITH POWER DMX

STAGE
 MOBILE
 STUDIO
 INSTALL
 ANALOG
 DIGITAL
 OFC

When the lights begin to dance ...

the audience is moved! But there is quite a bit of technology behind this, and cables play an integral part. The power for the spotlights and the control signals for their movements must be transmitted via cables.

The **SC-MONOLITH POWER/DMX** contains a power line with a wire cross-section of $3 \times 1.5 \text{ mm}^2$ and one (**SC-MONOLITH 1**), two (**SC-MONOLITH 2**) or four (**SC-MONOLITH 4**) DMX512 lines. The **SC-MONOLITH 4** allows 2 DMX lines to be used for the transmission of intercom signals. Each DMX wire pair is shielded by a finned copper spiral. For a better distinction both wire pairs have been numbered. The **SC-MONOLITH 8 HV** is designed for large events and has $8 \times 2 \times 0.14 \text{ mm}^2$ DMX lines.

The power line was designed pursuant to VDE and equipped with a proprietary PVC jacket for additional safety. Only in the COMPACT version the extra jacket was waived in order to obtain a smaller cable diameter and a more compact construction.

Of course, the AES/EBU line can also be used as a microphone cable or as a feed line for active loudspeaker systems.

The **SC-MONOLITH 1 COMPACT** is also available as a watertight PUR version with an Aramid reinforcement on top, see chapter "Cable bulkware – miscellaneous".

HV type includes $3 \times 2.5 \text{ mm}^2$ /AWG13 power cable!

For lines including power, DMX and CAT, see SC-MONOCAT POWER.

FREE SAMPLE AVAILABLE!



For finishing the **0.14-mm²/AWG26 DMX line**, we recommend using our HICON XLR connector plus the HI-XSR40 – **HICON strain relief for small diameters** (see the chapter "Connectors").

APPLICATIONS:

- Control line for DMX lighting consoles (wave impedance of 110 Ω)
- Analog + digital audio multipair with power supply

PRODUCT ADVANTAGES:

- Parallel control for lighting boards through one cable containing power and DMX signals
- Very flexible, yet crush-resistant due to the round jacket made of cotton and viscose rayon
- Very good shielding of the DMX lines in pairs using finned copper spiral or copper braiding

TECHNICAL DATA	1 SC-MONOLITH 1 COMPACT	2 SC-MONOLITH 1	3 SC-MONOLITH 2
Construction:	[3LIY1.5 mm ² + 1x(2LI2Y0,14 mm ²)DY]VLY	[(3LIY1.5 mm ²)Y+ 1x(2LI2Y0,25 mm ²)CY]VLY	[(3LIY1.5 mm ²)Y+ 2x(2LI2Y0,14 mm ²)DY]VLY
Jacket, diameter:	Total: PVC 9.5 mm DMX 3.0 mm	Total: PVC 13.0 mm DMX: 4.0 mm Power: 6.2 mm	Total: PVC 12.3 mm DMX: 3.0 mm Power: 7.2 mm
Inner conductors:	DMX 1 x 2 x 0.14 mm ² (AWG26) Power 3 x 1.5 mm ² (single wires) (AWG15)	DMX: 1 x 2 x 0.25 mm ² (AWG23) Power: 3 x 1.5 mm ² (AWG15)	DMX: 2 x 2 x 0.14 mm ² (AWG26) Power: 3 x 1.5 mm ² (AWG15)
Copper strands per conductor:	DMX 36 x 0.07 mm	DMX: 14 x 0.15 mm	DMX: 36 x 0.07 mm
Conductor insulation:	Foam/Skin-PE 1.15 mm	PE 1.25 mm	PE 1.2 mm
Shielding:	Cu spiral, finned	Cu braid, finned	Cu spiral, finned
Shielding factor:	95%	85%	95%
Temperature range:	-20 °C... +70 °C	-30 °C... +80 °C	-30 °C... +70 °C
Fire load per m:	0.54 kWh	0.64 kWh	0.86 kWh
Weight per m:	144 g	200 g	200 g
Packaging:	per m	per m	per m
ELECTRICAL DATA			
Capac. cond./cond. per 1 m:	53 pF	61 pF	52 pF
Capac. cond./shield. per 1m:	93 pF	123 pF	97 pF
Cond. resistance per 1 km:	< 130 Ω	< 78 Ω	< 140 Ω
Insulat. resistance per 1 km:	> 1 GΩ	> 20 MΩ	> 20 MΩ
Surge impedance:	110 Ω ±5 %	110 Ω ±5 %	110 Ω ±5 %



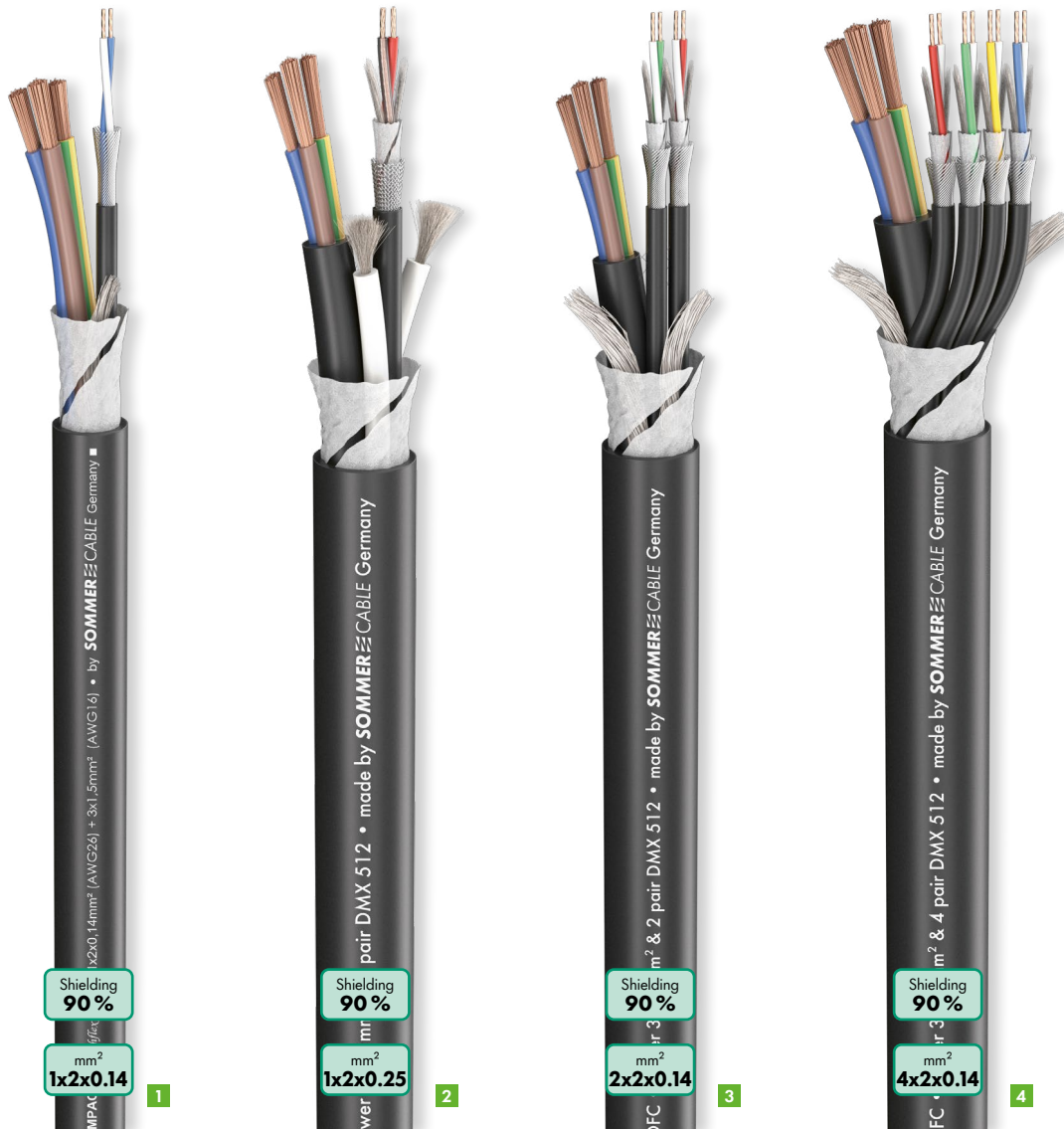
ORDER NO.

502-0051-1

500-0051-1

500-0051-2

2 x00050



Sectional drawing



TECHNICAL DATA	4 SC-MONOLITH 4	5 SC-MONOLITH 2 HV	6 SC-MONOLITH 4 HV	7 SC-MONOLITH 8 HV
Construction:	[(3LIY1.5 mm ²)Y+ 4x(2LI2Y0.14 mm ²)DY]VLY	[(3LIY2.5 mm ²)Y+ 2x(2LI2Y0.22 mm ²)CY]VLY	[(3LIY2.5 mm ²)Y+ 4x(2LI2Y0.22 mm ²)CY]VLY	[(3LIY2.5 mm ²)Y+ 8x(2LI2Y0.14 mm ²)DY]VLY
Jacket, diameter:	Total: PVC 13.5 mm DMX: 3.0 mm Power: 7.2 mm	Total: PVC 16.0 mm DMX: 4.3 mm Power: 8.3 mm	Total: PVC 18.0 mm DMX: 4.3 mm Power: 8.3 mm	Total: PVC 17.4 mm DMX: 3.0 mm Power: 8.3 mm
Inner conductors:	DMX: 4 x 2 x 0.14 mm ² (AWG26) Power: 3 x 1.5 mm ² (AWG15)	DMX: 2 x 2 x 0.22 mm ² (AWG24) Power: 3 x 2.5 mm ² (AWG13)	DMX: 4 x 2 x 0.22 mm ² (AWG24) Power: 3 x 2.5 mm ² (AWG13)	DMX: 8 x 2 x 0.14 mm ² (AWG26) Power: 3 x 2.5 mm ² (AWG13)
Copper strands per conductor:	DMX: 36 x 0.07 mm	DMX: 7 x 0.20 mm	DMX: 7 x 0.20 mm	DMX: 36 x 0.07 mm
Conductor insulation:	PE 1.2 mm	PE 1.5 mm	PE 1.5 mm	Foam/Skin-PE 1.15 mm
Shielding:	Cu spiral, tinned	Cu braid, tinned	Cu braid, tinned	Cu spiral, tinned
Shielding factor:	95%	85%	85%	90%
Temperature range:	-30 °C... +70 °C	-30 °C... +80 °C	-30 °C... +80 °C	-20 °C... +70 °C
Fire load per m:	1.23 kWh	0.92 kWh	1.24 kWh	1.38 kWh
Weight per m:	266 g	313 g	376 g	390 g
Packaging:	Sold by meter	Sold by meter	Sold by meter	Sold by meter

ELECTRICAL DATA	4	5	6	7
Capac. cond./cond. per 1 m:	52 pF	52 pF	52 pF	53 pF
Capac. cond./shield. per 1 m:	97 pF	89 pF	89 pF	93 pF
Cond. resistance per 1 km:	< 140 Ω	< 80 Ω	< 78 Ω	< 130 Ω
Insulat. resistance per 1 km:	> 20 MΩ	> 100 MΩ	> 100 MΩ	> 1 GΩ
Surge impedance:	110 Ω ±5 %	110 Ω ±5 %	110 Ω ±5 %	110 Ω ±5 %

ORDER NO. **500-0051-4** **500-0281-2** **500-0281-4** **500-0281-8**  x00050

NETWORK, DMX & POWER HYBRID CABLE

TWISTED PAIR (S/FTP) + DMX + POWER

SC-MONOCAT (POWER)

STAGE
 MOBILE
 STUDIO
 INSTALL
 ANALOG
 DIGITAL
 FRNC
 PUR
 HALOGEN-FREE
 OFC

Hybrid cables for any situation ...

The various hybrid lines of our MonoCAT family contain a maximum of eight network lines, which are complemented by up to four signal elements and one power line. Thus digital sound, light or video control desks can be connected by only one cable and, as the case may be, by only one plug-in step. This is also very interesting for OB van applications or in the installation and conference business.

FREE SAMPLE AVAILABLE!

APPLICATIONS:

- Control of DMX lighting consoles
- Broadcast van applications
- Analog + digital audio multipair with LAN and power supply
- Permanent installation

PRODUCT ADVANTAGES:

- LAN signal transmission incl. mains supply in one cable
- LAN cable also usable as an additional control line
- LAN line suitable for audio transmission



1

2

3

TECHNICAL DATA	1 SC-MONOCAT 110C	2 SC-MONOCAT 111C ED. 2	3 SC-MONOCAT 121C
Construction:	[3LIY3x2.5 mm ² + 1x(4x(2LI2Yx0.14 mm ²))(ST)CY]Y	[3LIY3x2.5 mm ² + 1x(4x(2LI2Yx0.14 mm ²))(ST)CY+ 1x(2LI2Y0.14 mm ²)DY]Y	[5LIY5x2.5 mm ² + 1x(4x(2LI2Yx0.14 mm ²))(ST)CY+ 1x(2LI2Y0.14 mm ²)DY]Y
Jacket, diameter:	PVC 13.8 mm	PVC 14.5 mm	PVC 17.3 mm
Inner conductors:	Power: 3 x 2.5 mm ² CAT: 4 x 2 x 0.14 mm ² (AWG26/7) DMX: -	3 x 2.5 mm ² 4 x 2 x 0.14 mm ² (AWG26/7) 1 x 2 x 0.14 mm ²	5 x 2.5 mm ² 4 x 2 x 0.14 mm ² (AWG26/7) 1 x 2 x 0.14 mm ²
Conductor insulation:	Foam/Skin-PE	Foam/Skin-PE	Foam/Skin-PE
Shielding:	CAT: PiMF + cu braid, tinned DMX: -	PiMF + cu braid, tinned Cu spiral, tinned	PiMF + cu braid, tinned Cu spiral, tinned
Shielding factor:	100%	100%	100%
Temperature range:	-25 °C...+70 °C	-25 °C...+70 °C	-25 °C ... +70 °C
Fire load per m:	1.10 kWh	1.20 kWh	1.49 kWh
Weight per 1 m:	254 g	260 g	390 g
Packaging:	per m	per m	Meterware
Matching plug:	RJ45, all standards	RJ45, all standards	RJ45, alle Standards

ELECTRICAL DATA

Capac. cond./cond. per 1 m (CAT):	44 pF	44 pF	44 pF
Cond. resistance per 1 km:	143 Ω	143 Ω	143 Ω
Max. section length (1 Gbit) (CAT):	100 m	100 m	100 m
Surge impedance:	100 Ω (±15 Ω)	100 Ω (±15 Ω)	100 Ω (±15 Ω)
Insulation resist. per 1 km (power):	5 GΩ	5 GΩ	5 GΩ
Operating/Nominal, testing voltage (power):	300/500 V, 2000 V	300/500 V, 2000 V	500/700V, 2500 V

ORDER NO. (PVC)

500-0151-1

502-0141-1 **NEW**

500-0131-1 **NEW**

ORDER NO. (PUR-FRNC)

-

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-



x00051



4

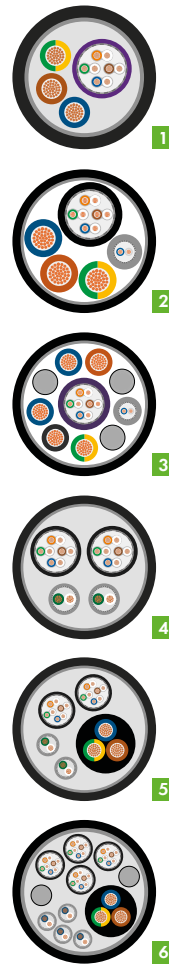


5



6

Sectional drawing



TECHNICAL DATA

	4 SC-MONOCAT 202	5 SC-MONOCAT POWER 212	6 SC-MONOCAT POWER 414
Construction:	[2x(4x(2LI2Yx0.14 mm ²)(ST)CY+ 2x(2LI2Y0.25 mm ²)DY]Y	[(3LI(9)Y3x2.5 mm ²)(1I)Y+ 2x(4x(2LI2Yx0.57 mm))(ST)CY+ 2x(2LI2Y0.25 mm ²)DY]Y	[(3LIY3x2.5 mm ²)Y+ 4x(4x(2x0.57 mm))(ST)CY+ 4x(2x(2LI2YS0.25 mm ²)ST)CY]Y
Jacket, diameter:	PVC 15.6 mm	PVC/PUR-FRNC 21,8 mm	PVC 27.0 mm
Inner conductors:	Power: - CAT: 2 x 4 x 2 x 0.14 mm ² (AWG26/7) DMX: 2 x 2 x 0.25 mm ²	3 x 2.5 mm ² 2 x 4 x 2 x 0.57 mm (AWG23/1) 2 x 2 x 0.25 mm ²	3 x 2.5 mm ² 4 x 4 x 2 x 0.57 mm (AWG23/1) 4 x 2 x 0.25 mm ²
Conductor insulation:	Foam/Skin-PE	Foam/Skin-PE	Foam/Skin-PE
Shielding:	CAT: PiMF + cu braid, tinned DMX: Cu spiral, tinned	PiMF + cu braid, tinned Cu spiral, tinned	PiMF + cu braid, tinned Cu braid, tinned
Shielding factor:	100%	100 %	100%
Temperature range:	PVC: -20 °C...+75 °C PUR: -	-20 °C...+75 °C -40 °C...+80 °C	-20 °C...+75 °C -
Fire load per m:	1.15 kWh	2.16 kWh	3.25 kWh
Weight per 1 m:	245 g	470 g	850 g
Packaging:	per m	per m	per m
Matching plug:	RJ45, all standards	RJ45C6XL, RJ45C6XL-A, RJ45CMXL-SW, NE8MX6	RJ45C6XL,RJ45C6XL-A, RJ45CMXL-SW, NE8MX6

ELECTRICAL DATA

Capac. cond./cond. per 1 m (CAT):	44 pF	42 pF	44 pF
Cond. resistance per 1 km:	80 Ω	75 Ω	80 Ω
Max. section length (1 Gbit) (CAT):	110 m	110 m	100 m
Surge impedance (CAT):	100 Ω (±15 Ω)	100 Ω (±15 Ω)	100 Ω (±15 Ω)
Insulation resist. per 1 km (power):	5 GΩ	5 GΩ	5 GΩ
Operating/Nominal, testing voltage (power):	300/500 V, 2000 V	300/500 V, 2500 V	300/500 V, 2000 V

ORDER NO. (PVC)

500-0161-2

500-0191-2

500-0191-4

ORDER NO. (PUR-FRNC)

-

501-0191-2

-



x00051

INSTALLATION CABLE

NYFAZ

SC-NYFAZ

INSTALL
 ELA
 HIFI
 ANALOG



Sectional drawing

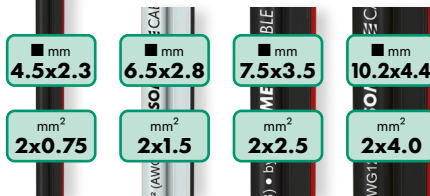
RAZZMATAZZ - NYFAZ ...

The **SC-NYFAZ** cable is primarily used for the interior wiring of all types of electrical appliances. It is often used in audio components such as loudspeakers and effects units. It is also used in wireless technology, gambling machines and for the fast wiring of prototypes and new developments, etc. Wherever flexibility is less important, but a low price matters, the SC-NYFAZ is the perfect solution.

We supply durable and reliable quality with oxygen-free copper (99.96%).

Available in these colors:
 black (with red stripe) → **sw**
 white (with black stripe) → **ws** (only 0.75/AWG18 and 1.5 mm²/AWG15)

FREE SAMPLE AVAILABLE!



APPLICATIONS:

- Development and fast wiring of prototypes
- Fixed installation in dry and closed buildings
- Interior wiring in electrical devices

PRODUCT ADVANTAGES:

- Plain colors
- Reasonably priced
- Easy to work with
- Memory effect makes it easy to install

TECHNISCHE DATEN

Jacket, outer dimension: PVC:	4,5 x 2.3 mm	6.5 x 2.8 mm	7.5 x 3.5 mm	10.2 x 4.4 mm
Inner conductors:	2 x 0.75 mm ² (AWG18)	2 x 1.5 mm ² (AWG15)	2 x 2.5 mm ² (AWG13)	2 x 4.0 mm ² (AWG11)
Copper strands per cond.:	24 x 0.20 mm	84 x 0.15 mm	140 x 0.15 mm	226 x 0.15 mm
Temperature range:	-20 °C...+70 °C	-20 °C...+70 °C	-20 °C...+70 °C	-20 °C...+70 °C
Weight per 1 m:	21 g	40 g	58 g	101 g
Packaging	100 m/500 m	100 m/500 m	100 m/500 m	100 m/500 m

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	140 pF	140 pF	140 pF	160 pF
Insulation resist. per 1 km:	> 20 MΩ	> 20 MΩ	> 20 MΩ	> 20 MΩ

Ø	ORDER NO.
2 x 0.75 mm ²	420-0075-COLOR
2 x 1.5 mm ²	420-0150-COLOR
2 x 2.5 mm ² , black	420-0250-SW
2 x 4.0 mm ² , black	420-0400-SW



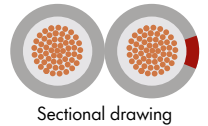
x00053

SPEAKER CABLE

TWIN STRAND, STANDARD

SC-TWINCORD

STUDIO
 INSTALL
 HIFI
 ANALOG
 OFC



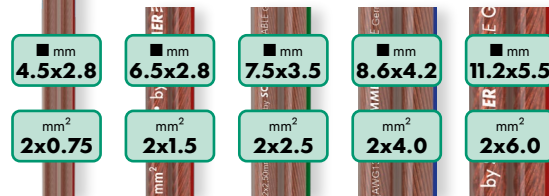
Sectional drawing

Transparency is called for ...

not only for the jacket material, but also for the transparent transmission of sound between hi-fi amplifiers and speakers. The **SC-TWINCORD** is a cost-effective yet very dependable speaker cable with high quality copper and more dense stranding than commonly available in speaker cables. It also has a harder jacket material, so that it can be installed very easily under your carpet or in areas of your apartment that are difficult to access.

The professional sound technician uses the **SC-TWINCORD** for fixed installations or for the interior wiring of racks and speaker systems.

FREE SAMPLE AVAILABLE!



APPLICATIONS:

- As a durable and dependable hi-fidelity speaker cable
- Interior wiring of racks and hi-fi speakers
- Fixed installation in buildings, sound studios, etc.

PRODUCT ADVANTAGES:

- Good quality, reasonable price
- Very flat and easy to install due to the memory effect
- Color stripe for easy polarization of leads

TECHNICAL DATA

Jacket, outer dimension: PVC:	4.5 x 2.3	6.5 x 2.8	7.5 x 3.5	8.6 x 4.2	11.2 x 5.5
Inner conductors [mm ²]:	2 x 0.75	2 x 1.5	2 x 2.5	2 x 4.0	2 x 6.0
	(AWG18)	(AWG15)	(AWG13)	(AWG11)	(AWG9)
Copper strands per cond. [mm]:	24 x 0.20	84 x 0.15	140 x 0.15	224 x 0.15	342 x 0.15
Temperature range:	-20 °C...+70 °C				
Fire load per m:	0.04 kWh	0.06 kWh	0.13 kWh	0.16 kWh	0.23 kWh
Weight per 1 m:	23 g	42 g	60 g	105 g	141 g
Packaging:	100/500 m	100/500 m	100/500 m	100/500 m	100/500 m

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	60 pF	67 pF	57 pF	56 pF	58 pF
Insulation resist. per 1 km:	> 5 GΩ	> 5 GΩ	> 5 GΩ	> 5 GΩ	> 5 GΩ

COLOR

COLOR	ORDER NO.
<input type="checkbox"/> transparent, 2 x 0.75 mm ²	400-0075
<input type="checkbox"/> transparent, 2 x 1.5 mm ²	400-0150
<input type="checkbox"/> transparent, 2 x 2.5 mm ²	400-0250
<input type="checkbox"/> transparent, 2 x 4.0 mm ²	400-0400
<input type="checkbox"/> transparent, 2 x 6.0 mm ²	400-0600



x00054

SPEAKER CABLE

TWIN-CONDUCTOR, HIGHLY FLEXIBLE

SC-PRISMA

STUDIO
 INSTALL
 HIFI
 ANALOG
 OFC



The finer the better ...

In the eyes and ears of many audiophiles, the finer you can make the delicate stranded wires that comprise the twin-conductors of a speaker cable, the better. Doing so increases the conductor surface, which produces even greater dynamics and pure listening pleasure.

Apart from its fine stranded construction, the **SC-PRISMA** is very similar to the **SC-TWINCORD**, but has a somewhat more refined finish and is available in several color combinations.

FREE SAMPLE AVAILABLE!

■ mm 8.0x3.6	■ mm 9.1x4.3	■ mm 9.8x4.5
mm ² 2x1.5	mm ² 2x2.5	mm ² 2x4.0



APPLICATIONS:

- Dependable, long-life hi-fi speaker cable
- Interior wiring of racks and hi-fi loudspeaker cabinets
- Permanent installation in buildings, recording studios, etc.

PRODUCT ADVANTAGES:

- Very flat and easy to install due to memory effect
- Colored stripe for easy identification of positive lead
- Available in different colors
- Very linear response

TECHNICAL DATA	PRISMA 215	PRISMA 225	PRISMA 240
Jacket, outer dimension: PVC:	8.0 x 3.6 mm	9.1 x 4.3 mm	9.8 x 4.5 mm
Inner conductors:	2 x 1.5 mm ²	2 x 2.5 mm ²	2 x 4.0 mm ²
AWG:	AWG15	AWG13	AWG11
Copper strands per cond.:	191 x 0.10 mm	322 x 0.10 mm	511 x 0.10 mm
Temperature range:	-15 °C...+70 °C	-15 °C...+70 °C	-15 °C...+70 °C
Fire load per m:	0.11 kWh	0.17 kWh	0.21 kWh
Weight per 1 m:	47 g	65 g	110 g
Packaging (spool):	200 m	100 m	100 m

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	60 pF	60 pF	60 pF
Insulation resist. per 1 km:	> 5 GΩ	> 5 GΩ	> 5 GΩ

COLOR/Ø

- white, 2 x 1.5 mm²
- white, 2 x 2.5 mm²
- white, 2 x 4.0 mm²

ORDER NO.

- 401-0150-WS**
- 401-0250-WS**
- 401-0400-WS**



SPEAKER CABLE

TWIN-CONDUCTOR, HIGH-END

SC-ORBIT 225 MK II / 240 MK II

STUDIO
 INSTALL
 HIFI
 ANALOG
 OFC



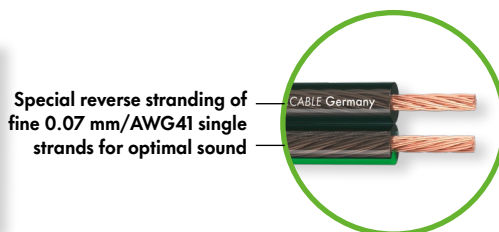
You can easily hear the grass grow ...

with our **SC-ORBIT**. If you value true, natural sound and dynamics, then the **SC-ORBIT** is your cable. At the end of the audio signal path is the loudspeaker. How the music gets there is critical. If you already have good speakers, now all you need is a good cable – and the difference is audible! Here too, we offer top quality that also happens to have an attractive design, because cables are often visible. Sometimes cables need to be hidden or lay as flat as possible. Due to very tight stranding, the copper has the necessary surface for clean transmission of the treble range. The individual strands are reverse-braided, so this cable will always return to its original position, even after extreme twisting.

FREE SAMPLE AVAILABLE!

Sectional drawing see website.

■ mm 10.2x4.8	■ mm 12x5.9
mm ² 2x2.5	mm ² 2x4.0



APPLICATIONS:

- Wiring high-end hi-fi speaker systems
- Interior wiring of hi-fi loudspeaker cabinets and PA systems
- For permanent installation
- Wiring hi-fi car audio

PRODUCT ADVANTAGES:

- Absolute linear response due to fine, tightly stranded copper wires
- Highly flexible and easy to reel due to rubberlike PVC jacket
- High-end look with dark translucent outer jacket
- Very low impedance values due to special stranding

TECHNICAL DATA	ORBIT 225	ORBIT 240
Jacket, outer dimension: PVC:	10.2 x 4.8 mm	12 x 5.9 mm
Inner conductors:	2 x 2.5 mm ²	2 x 4.0 mm ²
AWG:	AWG13	AWG11
Copper strands per conductor:	651 x 0.07 mm	1036 x 0.07 mm
Temperature range:	-30 °C...+70 °C	-30 °C...+70 °C
Fire load per m:	0.17 kWh	0.21 kWh
Weight per 1 m:	90 g	121 g
Packaging:	100 m spool	100 m spool

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	< 60 pF	< 55 pF
Cond. resistance per 1 km:	< 7.8 Ω	< 4.5 Ω
Insulation resist. per 1 km:	> 10 MΩ	> 10 MΩ

COLOR/Ø

- black transparent, 2 x 2.5 mm²
- black transparent, 2 x 4.0 mm²

ORDER NO.

- 425-0151**
- 440-0151**



SPEAKER CABLE

TWIN-CONDUCTOR FLAT

SC-TRIBUN

INSTALL
 ELA
 HIFI
 ANALOG
 OFC



Playing hide and seek ...

you're welcome to do this with our **SC-TRIBUN** loudspeaker cable, because it's so flat that you can barely see it once it has been laid. It can be perfectly laid under carpets, behind decorative strips, baseboards, chair rails or door trim, on the ceiling and underneath your furniture. The **SC-TRIBUN** is almost invisible. And it's all white, so that not even a mouse will recognize it! This makes it ideal for installation in buildings (hotels, bars, sporting arenas and churches).

The edges are beveled so that your shoes or wheels of a cart won't catch on it. The reverse side is flat and has a smooth finish, so that you can easily use double-side tape to adhere it to practically any flat surface. The **SC-TRIBUN** is easy to splice and only 2 mm/0.079" high!

FREE SAMPLE AVAILABLE!

mm
12.8x2.4

mm²
2x1.5

mm
14.6x2.6

mm²
2x2.5

mm
17.5x3.0

mm²
2x4.0

APPLICATIONS:

- Fixed installation in architectural applications
- Almost invisible connection of your hi-fi system
- Church acoustics

PRODUCT ADVANTAGES:

- Good audio signal quality due to the use of oxygen-free copper stranded wires
- Extremely flat and nearly invisible appearance
- Incredibly flexible and easy to work with
- Designed like a decorative strip, hence barely noticeable
- Very reasonably priced

TECHNICAL DATA

Jacket, outer dimension: PVC:	12.8 x 2.4 mm	14.6 x 2.6 mm	17.5 x 3.0 mm
Inner conductors:	2 x 1.5 mm ²	2 x 2.5 mm ²	2 x 4.0 mm ²
AWG:	AWG15	AWG13	AWG11
Copper strands per conductor:	47 x 4 x 0.10 mm	80 x 4 x 0.10 mm	125 x 4 x 0.10 mm
Temperature range:	-30 °C...+70 °C	-30 °C...+70 °C	-30 °C...+70 °C
Weight per 1 m:	53 g	72 g	108 g
Packaging:	100/500 m	100/500 m	100/500 m

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	< 60 pF	< 60 pF	< 56 pF
Cond. resistance:	13.3 Ω	7.9 Ω	4.9 Ω
Insulat. resistance per 1 km:	> 20 MΩ	> 20 MΩ	> 20 MΩ

COLOR/Ø

- white, 2 x 1.5 mm²
 white, 2 x 2.5 mm²
 white, 2 x 4.0 mm²

ORDER NO.

415-0310
425-0310
440-0310



SPEAKER CABLE

TWIN-CONDUCTOR SUPER FLAT WITH ADHESIVE STRIPS

SC-FLUKOS «SF»

INSTALL
 ELA
 HIFI
 ANALOG
 OFC



Just like a fly ...

the **SC-FLUKOS „SF“** will literally stick to the wall. The cable can be laid so that it's almost invisible as it is incredibly thin. With a cross-section of 2 x 0.5 mm²/AWG20, it is ideal for installation in home theaters, listening rooms, restaurants and churches. It is only 1.3 mm/0.051" high.

The trick is that its conductors are made of a spooled copper hose which does not only reduce the size, but also offers very good electrical values as a positive side effect. A nice practical addition is the peelable adhesive strip on the back of the cable, allowing it to be installed on the wall or underneath the carpet edge trim without further ado.

For all these reasons the **SC-FLUKOS „SF“** has gained a lot of fans, particularly in the field of home entertainment, e.g. for wiring 5.1 speaker systems.

FREE SAMPLE AVAILABLE!

mm
8.6x1.3

mm²
2x0.5

APPLICATIONS:

- For permanent installation in architectural applications
- Almost invisible connection of your hi-fi system
- Church acoustics

PRODUCT ADVANTAGES:

- Good audio signal quality due to the use of oxygen-free copper stranded wires
- Extremely flat and nearly invisible appearance
- Incredibly flexible and easy to work with
- Designed like a decorative strip, hence barely noticeable
- Very reasonably priced

TECHNICAL DATA

Jacket, outer dimension: PVC:	8.6 x 1.3 mm
Inner conductors:	2 x 0.50 mm ²
AWG:	AWG20
Copper strands per conductor:	64 x 0.10 mm
Temperature range:	-30 °C...+70 °C
Fire load per m:	0.03 kWh
Weight per 1 m:	20 g
Packaging:	100 m

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	< 60 pF
Insulation resist. per 1 km:	4.5 GΩ

COLOR/Ø

- white, 2 x 0.5 mm²

ORDER NO.

462-0100-205



HIGH-END SPEAKER CABLE

TWINAXIAL

SC-DUAL BLUE

STUDIO
 INSTALL
 HIFI
 ANALOG
 OFC



Sectional drawing

Miracles keep happening ...

but the huge success of the new **SC-DUAL BLUE** will not surprise anybody who has ever had the pleasure of listening to its big brother, the **SC-QUADRA BLUE**. The **SC-DUAL BLUE** is not a downgraded variant of the **SC-QUADRA BLUE**, but a speaker cable with special stranding optimized for 2-pole connections. This connection is recommended for stereo systems where the speaker connections are bridged or no bi-wiring/bi-amping option is provided.

The **SC-DUAL BLUE** stands out thanks to its intelligent architecture, timeless, modern design, and ability to deliver a punchy signal that's accurate and articulate. This cable will bring out the very best from your hi-fi system.

FREE SAMPLE AVAILABLE!



Ø mm
15.5

mm²
2x4.0

APPLICATIONS:

- High-quality hi-fi speaker cable for demanding requirements

PRODUCT ADVANTAGES:

- Tight, low-capacitance stranding of the 2 wire leads
- Concentric, ultra compact stranding of the 504 x 0.10 mm/AWG41 individual wire strands
- Gas-injected insulation with dual interconnection
- Shield made of tight copper braiding with 95% optical coverage
- Use of the highest grade copper with conductor-smoothing (OFC Class 6N, 99.9999%)

TECHNICAL DATA

Construction:	(2LIY4.0 mm ²)CY
Jacket, diameter:	S-PVC 15.5 mm
Number of conductors:	2 x 4.0 mm ² (AWG11.2)
Copper strands per conductor:	504 x 0.10 mm
Conductor insulation:	4.1 mm Skin PE gas injected
Shielding:	copper braiding, tinned
Temperature range:	-20 °C...+70 °C
Fire load per m:	0.55 kWh
Weight per 1 m:	200 g
Packaging:	50 m spool, per m

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	65 pF
Cond. resistance per 1 km:	< 4.5 Ω
Insulation resist. per 1 km:	> 5 MΩ

COLOR
■ aqua blue

ORDER NO.
485-0052-240



x00059

SPEAKER CABLE HIGH-END

MULTICORE

SC-QUADRA BLUE

STUDIO
 INSTALL
 HIFI
 ANALOG
 OFC



Sectional drawing

You'll see a light at the end of the tunnel ...

when you connect the new **SC-QUADRA BLUE** to your audiophile reference system. Harmony not only in design, but also in sound, the **SC-QUADRA BLUE** offers you the very thing you have been searching for all along: an absolutely accurate speaker cable. One that tempts you to experiment with bi-amping, bi-wiring, or just a straight-wire connection.

The OFC strands are wound into wire in such a way that they work like massive copper leads with outstanding conductivity and extraordinary damping values, which ultimately play an important role at greater cable lengths. Even at extreme lengths, the **SC-QUADRA BLUE** produces almost no loss.

Treat yourself and your audiophile system to one of the best and most beautiful speaker cables developed over the past ten years.

FREE SAMPLE AVAILABLE!



Ø mm
15.5

mm²
4x4.0

APPLICATIONS:

- Reference-quality multiconductor loudspeaker cable for audiophiles
- For bi-amping and bi-wiring components

PRODUCT ADVANTAGES:

- Extremely fast and linear signal transmission, even with excessive lengths
- Very easy to work with
- Numerous connecting options (bi-amping, bi-wiring, twinaxial cable)

TECHNICAL DATA

Construction:	(4LIY4.0 mm ²)CY
Jacket, diameter:	S-PVC 15.5 mm
Number of conductors:	4 x 4.0 mm ² (AWG11.2)
Copper strands per conductor:	504 x 0.10 mm
Conductor insulation:	4.1 mm Skin PE gas injected
Shielding:	copper braiding, tinned
Temperature range:	-20 °C...+70 °C
Fire load per m:	0.55 kWh
Weight per 1 m:	340 g
Packaging:	50 m spool, per m

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	65 pF
Cond. resistance per 1 km:	< 4.5 Ω
Insulation resist. per 1 km:	> 5 MΩ

COLOR
■ aqua blue

ORDER NO.
485-0052-440



x00060

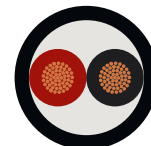


SPEAKER CABLE

TWO-CONDUCTOR FLEXIBLE

SC-MERIDIAN MOBILE

STAGE
 MOBILE
 STUDIO
 ELA
 ANALOG
 OFC



Sectional drawing

Have sound system, will travel ...

Men at work get things done. Traveling audio engineers make sound happen day after day under very demanding conditions. Therefore, they demand a lot of their speaker cables. Ruggedness and reliability is first and foremost. No problem for our robust **SC-MERIDIAN**. This cable has been designed specifically for loudspeakers and here it meets all special technical requirements. Low-oxygen copper stranded wires ensure better sound quality and a longer life.

All PVC versions are easy to reel. For FRNC and E30 versions (IEC 228, IEC 332-1, IEC 332-3 Cat C, IEC 60331, IEC 61034-1/2, IEC 60754-2) as well as an olive-green OFFROAD version. See the following pages.

FREE SAMPLE AVAILABLE!

APPLICATIONS:

- PA systems of all kinds
- Compatible with ELA 100-volt systems
- Wiring of audiophile systems
- Mobile outdoor areas (PMB version)

PRODUCT ADVANTAGES:

- Flexible and easy to reel
- Small diameter
- Very durable due to special jacket compounds
- Highly affordable

TECHNICAL DATA	SP215	SP225	SP240	SP260
Construction:	(2LIY1.50 mm ²)Y	(2LIY2.5 mm ²)Y	(2LIY4.0 mm ²)Y	(2LIY6.0 mm ²)Y
Jacket, diameter:	6.8 mm	7.8 mm	9.5 mm	11.0 mm
Jacket material, insulation:	PVC			
Inner conductors:	2 x 1.5 mm ² (AWG16)	2 x 2.5 mm ² (AWG13)	2 x 4.0 mm ² (AWG11)	2 x 6.0 mm ² (AWG10)
Copper strands per conductor:	84 x 0.15 mm	140 x 0.15 mm	56 x 0.30 mm	84 x 0.30 mm
Conductor insulation, diameter:	2.62 mm	3.05 mm	4.2 mm	4.7 mm
Temperature range:	-30 °C...+70 °C			
Fire load per m:	0.28 kWh	0.33 kWh	0.46 kWh	0.63 kWh
Weight per 1 m:	78 g	106 g	150 g	192 g
Packaging:	100/500 m	100/500 m	100/500 m	100/500 m

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	150 pF	136 pF	125 pF	125 pF
Cond. resistance per 1 km:	< 13 Ω	< 7.5 Ω	< 4.5 Ω	< 3.3 Ω
Insulat. resistance per 1 km:	> 5 MΩ	> 5 MΩ	> 5 MΩ	> 5 MΩ

ORDER NO. ■ dark grey	415-0056	425-0056	440-0056	 x00061	460-0056
ORDER NO. ■ black	415-0051	425-0051	440-0051		
ORDER NO. □ white	415-0050NE (without imprint)	425-0050			
ORDER NO. (PMB) ★ black		425-0051P			

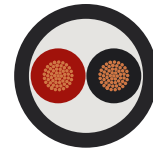


LOUDSPEAKER CABLE INSTALLATION

TWIN-CONDUCTOR

SC-MERIDIAN INSTALL

- STUDIO
 - INSTALL
 - ELA
- ANALOG
 CPR
 FRNC
 HALOGEN-FREE
 OFC
 E30



Sectional drawing

There's no place like home ...

and if your professional "home" is a permanently installed sound system, then you want all parts of your system to achieve peak performance, including the cables that deliver the power from your amps to your speakers. You want to rely on them without having to treat them daintily. You want them to keep their cool when you crank up the heat. No problem for our robust **SC-MERIDIAN**. This cable has been designed specifically for loudspeakers and here it meets all specialized technical requirements. Low-oxygen copper stranded wires ensure better sound quality and a longer life. The FRNC and E30 versions (IEC 228, IEC 332-1, IEC 332-3 Cat C, IEC 60331, IEC 61034-1/2, and IEC 60754-2) are ideally suited for permanent installation.

Also available is the shielded version, **SC-MERIDIAN FG**, for outdoor and indoor installation or ELA 100-volt systems, featuring a dual screen (copper braiding plus AL foil) and a halogen-free and flame-resistant outer jacket meeting IEC 332.3 specifications. For design reasons, this version is not suitable for mobile applications.

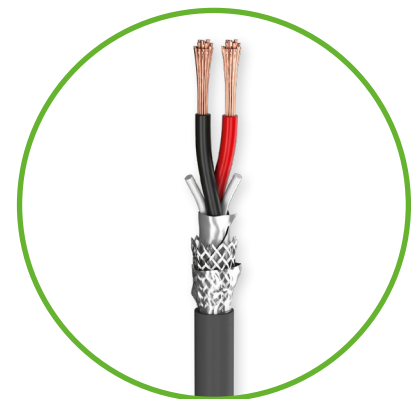
FREE SAMPLE AVAILABLE!

APPLICATIONS:

- Sound systems of all kinds
- For permanent installation
- For ELA 100-volt systems
- Wiring of hi-fi systems

PRODUCT ADVANTAGES:

- Small diameter
- Very durable due to special jacket compounds
- Highly affordable



shielded version
MERIDIAN FG

TECHNICAL DATA	SP215	SP225	SP240	SP260
Construction:	(2LIY1.50 mm ²)Y	(2LIY2.5 mm ²)Y	(2LIY4.0 mm ²)Y	(2LIY6.0 mm ²)Y
Jacket: color, Ø (FRNC/Cca):	★ black; 6.8 mm	★ black; 7.8 mm/8.2 mm	★ black; 9.5 mm	★ black; 11.2 mm
Jacket: color, Ø (FRNC, shielded):	★ dark grey; 8.0 mm	★ dark grey; 8.3 mm	★ dark grey; 10.1 mm	
Jacket: color, Ø (E30):		★ orange; 11.9 mm	★ orange; 12.8 mm	
Jacket material, insulation:	FRNC version accord. to Test Type C / E30 version: FRNC, silicone			
Inner conductors:	2 x 1.5 mm ² (AWG16)	2 x 2.5 mm ² (AWG13)	2 x 4.0 mm ² (AWG11)	2 x 6.0 mm ² (AWG10)
Copper strands per conductor:	84 x 0.15 mm	50 x 0.25 mm	56 x 0.30 mm	84 x 0.30 mm
Copper strands per conductor (E30):		solid copper	solid copper	
Conductor insulation, diameter:	2.62 mm	3.05 mm	4.2 mm	4.7 mm
Conductor insulation, diameter (E30):		3.3 mm	3.9 mm	
Temperature range:	-30 °C...+70 °C (E30: -40 °C...+90 °C)			
Fire load per m:	0.29 kWh	0.38 kWh	0.54 kWh	0.81 kWh
Weight per 1 m:	78 g	106 g	150 g	226 g
Weight per 1 m (E30):		151 g	260 g	
Packaging:	100/500 m	100/500 m	100/500 m	100/500 m

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	150 pF	136 pF	125 pF	125 pF
Cond. resistance per 1 km:	< 13 Ω	< 7.5 Ω	< 4.5 Ω	< 3.3 Ω
Insulat. resistance per 1 km:	> 5 MΩ	> 5 MΩ	> 5 MΩ	> 5 MΩ

ORDER NO. (FRNC)	415-0051F	425-0051F		
ORDER NO. (FRNC/Cca)	415-0051FC NEW	425-0051FC NEW	440-0051FC NEW	460-0051FC NEW
ORDER NO. (FRNC, shielded)	415-0056FG	425-0056FG	440-0056FG	
ORDER NO. (E30)		425-0055E30M NEW	440-0055E30M NEW	



2 x 00062



SPEAKER CABLES, TRANSVERSELY WATERTIGHT

SALTWATER-RESISTANT, HALOGEN-FREE

SC-AQUA MARINEX SPEAKER 225 + 240

STAGE
 MOBILE
 INSTALL
 ELA
 AQUA
 ANALOG
 HALOGEN-FREE
 PUR



Sectional drawing

Tough under pressure ...

are our new **AQUA MARINEX speaker cables** for permanent underwater use. Initially this robust cable was developed for use in theme and amusement parks. However, it also enjoys great popularity in the installation of extended outdoor events such as Christmas fairs, lake festivals or sporting events under extremely adverse conditions (e.g., equestrian events).

We have reinforced the wire leads internally, encasing them in tight copper braiding, so that the **AQUA MARINEX** can withstand high water pressure as well as mechanical strains and electrical interference. The cables can also be used in the live PA business, of course. Even though they are somewhat stiffer than standard PVC cables, they are extremely rugged.

FREE SAMPLE AVAILABLE!

Ø mm	Ø mm
8.2	11.2
Shielding	Shielding
85%	85%
mm ²	mm ²
2x2.5	2x4.0

APPLICATIONS:

- Permanent laying in a maximum water depth of 50 m/160 ft.
- Demanding outdoor installations (e.g., with extended events)
- Installation and usage near the coast and in shipbuilding
- Indoor and outdoor installation in leisure parks and on boats
- Underwater sound reinforcement in theme parks or water parks

PRODUCT ADVANTAGES:

- Saltwater and freshwater-resistant outer jacket
- Transversely watertight due to water-absorbing, pressure-compensating protective banding
- Halogen-free
- Flexible when cold and easy to reel
- UV and microbe-resistant
- Shielded by tight copper braiding

TECHNICAL DATA	SPEAKER 225	SPEAKER 240
Jacket, diameter:	PUR-SR 8.2 mm	PUR-SR 11.2 mm
Inner conductors:	2 x 2.5 mm ² (AWG13)	2 x 4.0 mm ² (AWG11)
Copper strands per conductor:	142 x 0.15 mm	224 x 0.15 mm
Conductor insulation:	PO 2.6 mm	PO 3.8 mm
Shielding:	copper braiding + special protective banding	
Shielding factor:	85 %	85 %
Temperature range:	-40 °C...+80 °C	-40 °C...+80 °C
Max. water pressure:	5 bars	5 bars
Max. water depth:	50 m	50 m
Fire load per m:	0.28 kWh	0.55 kWh
Weight per 1 m:	117 g	178 g
Packaging:	per m	per m

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	90 pF	80 pF
Cond. resistance per 1 km:	< 8,21 Ω	< 5,09 Ω
Shield. resistance per 1 km:	16,2 Ω	8,1 Ω
Insulation resist. per 1 km:	>1 GΩ	>1 GΩ

COLOR/Ø

- black, PUR-SR, 2 x 2,5 mm²
- black, PUR-SR, 2 x 4,0 mm²

ORDER NO.

- 425-0241AQ**
- 440-0241AQ**



x00063



LOUDSPEAKER CABLE ARAMID, TRANSVERSELY WATERTIGHT

SEAWATER RESISTANT, WITH ARAMID STRAIN RELIEF

SC-AQUA MARINEX EL

STAGE
 MOBILE
 INSTALL
 ELA
 ANALOG
 AQUA
 HALOGEN-FREE
 PUR
 OFC
 ARAMID

The universal all-around solution ...

is now available in the form of the "Multi-Purpose" **SC-AQUA MARINEX EL** speaker cable which is transversely watertight as well as seawater-resistant and rodent-proof.

The transversely watertight outer jacket with integrated water-blocking tape prevents water from intruding, no matter if in continuous underwater use or in moist surroundings like e.g. in tunnel building or sediment technology. Owing to the additional aramid braid, this construction offers an excellent strain relief opportunity plus increased protection against all kinds of rodents. In the special jacket compound we do without the usual chemical additives which are perceived by rodents as „very yummy“ and often even as attracting.

An all-round carefree package for permanent installations under and above water, in buildings, outdoor areas or also for demanding mobile applications.

FREE SAMPLE AVAILABLE!

Sectional drawing see website.



APPLICATIONS:

- High-quality speaker cable for permanent underwater installation
- Flexible and easy to reel
- Durable, water-resistant construction for boat- and shipbuilding
- Resilient cable for installations under harsh conditions

PRODUCT ADVANTAGES:

- Transversely watertight due to the special PUR jacket with water-blocking tape
- Rodent protection due to aramid braid
- Highly flexible due to torsion-free construction (X-torsion) and fine litz wire design
- UV-resistant and cold-flexible (-30 °C mobile applications/-40 °C fixed installations)
- Chlorine water resistant

TECHNICAL DATA	1 440	2 840
Construction:	[(4LIY4.0 mm ²)(ST)]ZNI1Y	[(8LIY4.0 mm ²)(ST)]ZNI1Y
Jacket, diameter:	PUR-SR 13.0 mm, with ARAMID reinforcement and special protective banding	PUR 18.0 mm, with ARAMID reinforcement and special protective banding
Inner conductors:	4 x 4.0 mm ² (AWG11)	8 x 4.0 mm ² (AWG11)
Copper strands per conductor:	126 x 0.20 mm	126 x 0.20 mm
Conductor insulation:	PE 3.8 mm	PE 3.8 mm
Max. tensile strength:	3600 N / 360 kg	3600 N / 360 kg
Temperature range :	-40 °C ... +80 °C	-40 °C ... +80 °C
Fire load per m:	0.95 kWh	2.30 kWh
Weight per m:	285 g	540 g
Packaging:	Sold by meter	Sold by meter

ELECTRICAL DATA

Capac. cond./cond. per m:	90 pF	90 pF
Cond. resistance per 1 km:	4.95 Ω	4.95 Ω
Insulation resist. per 1 km:	500 MΩ	150 MΩ
Rated voltage:	500 V	500 V
Test voltage:	2000 V	2000 V

COLOR

- black
- black

ORDER NO.

- 490-0231-440AQ** **NEW**
- 490-0231-840AQ** **NEW**



x00067



SPEAKER CABLE

TWIN-CONDUCTOR, HIGHLY FLEXIBLE, WITH SENSE CABLE

SC-ECLIPSE SPQ240 MKII

- STAGE MOBILE STUDIO INSTALL ELA HIFI
- ANALOG OFC

Beat it up, it doesn't care ...

none the worse for all the wear, this speaker cable always returns to its original state. Even under heavy traffic, and being run over by the wheels of equipment rack/flight cases, it always bounces back. A special feature of the cable is that it includes a rayon-filled PVC smoother and a 0.50 mm²/AWG20 sense line. This cable is up to the task of withstanding even the toughest stage demands.

The **SC-ECLIPSE** consists of fine, tightly stranded OFC wires as normally found only in exclusive audiophile reference cables. For optimum conductivity, we have grouped the copper stranded wires into complex bundles. This lends the cable not only incredible flexibility, but also outstanding transparency – something you can hear even with longer cable runs by clean and clear highs, dynamic mids and increased bass punch.

FREE SAMPLE AVAILABLE!

Sectional drawing see website.

Ø mm
9.5

mm²
2x4.0

APPLICATIONS:

- PA/sound reinforcement systems
- For fixed installation
- Reference-quality connections

PRODUCT ADVANTAGES:

- Loss-free signal transmission even over long distances due to the use of tightly stranded copper wires
- Highly flexible due to the use of a rubberlike PVC jacket
- Extremely rugged and reliable

TECHNICAL DATA

Construction:	(2LIY4.0 mm ² +0.5 mm ²)Y
Jacket, diameter:	PVC 9.5 mm
Inner conductors:	2 x 4.0 mm ² (AWG11) + 1 x 0.5 mm ² (AWG20)
Copper strands per conductor:	224 x 0.15 mm
Conductor insulation, diameter:	PVC 3.6 mm
Temperature range:	-30 °C...+70 °C
Fire load per m:	0.46 kWh
Weight per 1 m:	165 g
Packaging:	100/200 m spool

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	136 pF
Cond. resistance per 1 km:	< 4.5 Ω
Insulat. resistance per 1 km:	> 5 MΩ

COLOR
■ grey

ORDER NO.
440-0256



SPEAKER CABLE

COAXIAL, HIGHLY FLEXIBLE, PVC + HALOGEN-FREE/FRNC

SC-MAGELLAN SPK

- STUDIO INSTALL ELA HIFI
- ANALOG FRNC HALOGEN-FREE OFC



Sectional drawing

When spaces are tight but it's gotta be right ...

Sometimes you're in a tight spot, where the loudspeaker cable is too close for comfort to power lines, and you want to do all you can to keep EMI at bay. For that, we have the perfect cable: a coaxial cable used where a small outer diameter is required in connection with a large wire cross-section. Especially for cable conduits where the speaker cable lies between cables which emit strong interference. Normally, copper braiding is used for coaxial cables, but that renders them unnecessarily stiff and inflexible, making reeling almost impossible. Instead, we use double counter-rotating spiral shielding for our **SPK** cables. This offers better shielding than conventional copper braidings and makes the cable incredibly flexible.

FREE SAMPLE AVAILABLE!

STRONG
SPVC

Ø mm
6.0

mm²
2x2.5

Ø mm
8.0

mm²
2x4.0

Ø mm
11.2

mm²
2x6.0

When used as a speaker cable, the twisted screen is used as a second conductor. It has the same cross-section as the inner conductor.

APPLICATIONS:

- For installation in building services engineering
- Combination with small connectors (phone plugs, XLR, etc.)
- High-end hi-fi applications

PRODUCT ADVANTAGES:

- Space-saving diameter due to coaxial construction
- Excellent shielding due to the dual reversely stranded
- copper spiral shielding
- Highly flexible (PVC versions only) due to the special shielding design

TECHNICAL DATA

	SPK225	SPK240	SPK260 (FRNC)
Construction:	LI2Y(LS)DY2x2.5 mm ²	...2x4.0 mm ²	...2x6.0 mm ²
Jacket, diameter:	6.0 mm	8.0 mm	11.2 mm
Jacket material, insulation:	Standard in PVC/FRNC accord. to test type C		
Inner conductors:	2 x 2.5 mm ² (AWG13)	2 x 4.0 mm ² (AWG12)	2 x 6.0 mm ² (AWG10)
Copper strands per cond.:	PVC: 322 x 0.10 mm	225 x 0.15 mm	
	FRNC: 140 x 0.15 mm	84 x 0.3 mm	
Shielding:	Double copper spiral, counter-rotating		
Shielding factor:	100%	100%	100%
Temperature range:	-25 °C...+70 °C		
Fire load per m:	0.18 kWh	0.32 kWh	0.44 kWh
Weight per 1 m:	73 g	135 g	196 g
Packaging:	100 m/500 m		

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	150 pF	140 pF	130 pF
Cond. resistance per 1 km:	< 7.8 Ω	< 5.0 Ω	3.3 Ω
Shield. resistance:	< 9.0 Ω	< 5.5 Ω	< 3.5 Ω
Insulat. resistance per 1 km:	> 200 MΩ	> 200 MΩ	> 200 MΩ

COLOR

■ black, 2.5 mm² **425-0201**

■ black, 4.0 mm² **440-0201**

★ black, 2.5 mm², **FRNC halogen-free** **425-0201F**

★ black, 4.0 mm², **FRNC halogen-free** **440-0201F**

★ black, 6.0 mm², **FRNC halogen-free** **460-0201F**





SPEAKER CABLE

TWIN-CONDUCTOR

MAJOR INVISIBLE

STAGE MOBILE STUDIO ELA
 ANALOG OFC



Sectional drawing

For life underground ...

or on grassy green ground, we now offer the **MAJOR INVISIBLE** loudspeaker cable from our successful OFFROAD SERIES. We settled on this new olive green jacket color based on popular demand. This unobtrusive color makes sense, especially with outdoor installations (large events, amusement parks, Christmas fairs, Mardi Gras celebrations and open-air sporting events).

This rugged, easy-to-reel line has been custom-designed for loudspeakers and meets all special technical requirements. Low-oxygen copper stranded wires provide clearly enhanced sound and greater longevity.

Other family members of the same OFFROAD series are the **COLONEL INCREDIBLE** guitar cable and the **CAPTAIN FLEXIBLE** microphone cable.

FREE SAMPLE AVAILABLE!

Ø mm

7.8

mm²

2x2.5

APPLICATIONS:

- PA systems of all kinds
- For ELA 100-volt sound systems
- Connecting hi-fi systems

PRODUCT ADVANTAGES:

- Flexible and easy to reel
- Small in diameter
- Special jacket compound for excellent longevity
- Highly affordable

TECHNICAL DATA

Construction:	(2LIY2.5 mm ²)Y
Diameter:	7.8 mm
Jacket material, insulation:	PVC
Inner conductors:	2 x 2.5 mm ² (AWG13)
Copper strands per conductor:	140 x 0.15 mm
Conductor insulation, diameter:	3.05 mm
Temperature range:	-30 °C...+70 °C
Fire load per m:	0.33 kWh
Weight per 1 m:	106 g
Packaging:	100/500 m spool

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	136 pF
Cond. resistance per 1 km:	< 7.5 Ω
Insulat. resistance per 1 km:	> 5 MΩ

COLOR

■ olive green

ORDER NO.

425-008M



x00066



LOUDSPEAKER/POWER & DMX COMBO CABLE

SPECIAL CABLE FOR SENSOR CONTROL SUBWOOFER TECHNOLOGY

SC-ELEPHANT ROBUST DMX

STAGE MOBILE INSTALL ELA
 ANALOG DIGITAL OFC

We need bass ...

Whereas conventional subwoofer designs have been known in practical use for many years and also proven to be adequately functional, the **Sensor Control Subwoofer Technology** enables to take a decisive new step towards a **complete and coherent loudspeaker setup** which offers an extended low-frequency range with a flat frequency and phase response for a perfect music reproduction with exceptional precision and definition.

Particularly for this application a custom-made cable is required for the rental industry and live events in the first place. For this purpose we have developed the **SC-ELEPHANT ROBUST DMX** power/DMX combo cable with an overall diameter of 19.5 mm. Embedded in the stranding compound of the **4 x 4 mm² speaker cable** is a **full-featured, pairwise insulated and shielded DMX cable** with a wire cross-section of **2 x 2 x 0.22 mm²**. This integrated 110-ohm control line allows to monitor sensor-control subwoofer systems now without the need for laying extra cables. Of course, the control line may also be used as an ordinary microphone cable or for tie lines.

FREE SAMPLE AVAILABLE!

Ø mm

19.5

mm²

4x4,0 + 2x2x0,22

APPLICATIONS:

- For the simultaneous connection of loudspeakers and subwoofers
- Rental business & live events

PRODUCT ADVANTAGES:

- Perfect music reproduction with exceptional precision and definition.
- Monitoring of sensor-controlled subwoofer systems without laying additional cables

TECHNICAL DATA

Construction:	SPM442 [(2LIY4.0 mm ²)Y+2(2LIY0.22 mm ²)(ST)CY]Y
Jacket, diameter:	Total: PVC 19.5 mm (DMX: 4.3 mm)
Inner conductors:	DMX: 2 x 2 x 0.22 mm ² (AWG24) Speaker: 4 x 4.0 mm ² (AWG11)
Copper strands per conductor:	DMX: 7 x 0.20 mm, Speaker: 126 x 0.20 mm
Conductor insulation:	DMX: PE 1.5 mm, Speaker: PVC 4.0 mm
Shielding:	DMX: AL foil + Cu braid, tinned
Shielding factor:	100%
Temperature range:	-25 °C...+70 °C
Fire load per m:	1.3 kWh
Weight per m:	500 g
Packaging:	Sold by meter

ELECTRICAL DATA

Capac. cond./cond. per m:	45 pF
Capac. cond./shield. per m:	77 pF
Cond. resistance per 1 km:	DMX: max 90 Ω, Speaker: 4.95 Ω
Insulat. resistance per 1 km:	> 5 GΩ
Surge impedance:	110 Ω ±10 %



x01714

ORDER No.

490-0151-442 NEW

SPEAKER CABLE

MULTI-CONDUCTOR

SC-ELEPHANT

- STAGE
- MOBILE
- STUDIO
- INSTALL
- ELA
- HIFI

- ANALOG
- CPR
- FRNC
- HALOGEN-FREE
- OFC

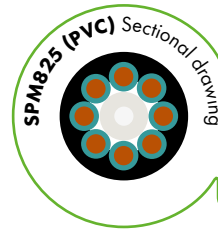
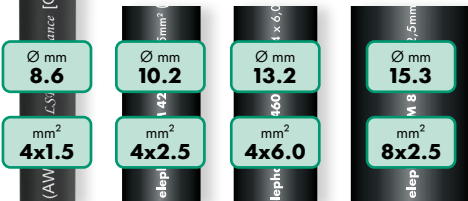
The wires are running hot ...

and the crowd is cheering when the speakers are turned up all the way. That's when passions are heating up, and so are the cables. This places extremely high demands on the cable. The outer jacket must be as thick as elephant skin, but it should also be flexible, robust, crush-proof, easy to reel and, of course, reusable time and again.

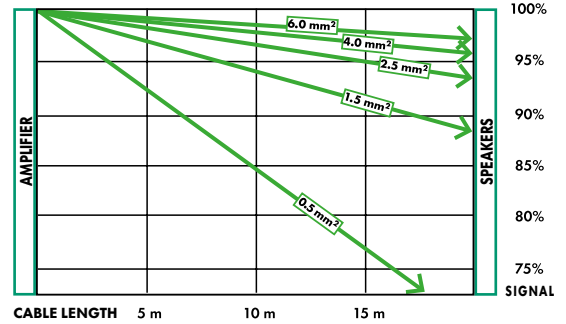
Compare it with other speaker cables. The **SC-ELEPHANT** will speak for itself – loud and clear!

FREE SAMPLE AVAILABLE!

Sectional drawing see website.



To avoid kinking, the 8-wire version, **SPM825** (PVC), comes with a special filler and a Soffflex PVC jacket.



Power handling chart: power loss in loudspeaker cables of various cross-sections as a function of the cable length



With the „**Powercut PC85**“ you can make fast, clean and precise cuts (up to 6.00 mm²/AWG9)!

APPLICATIONS:

- Professional PA/sound reinforcement systems
- Surround-sound and sub-woofer systems
- For permanent installation in buildings

PRODUCT ADVANTAGES:

- Loss-free transmission due to special stranding
- Highly flexible and stage-proof (PVC versions only), easy to reel
- Compatible with common Neutrik Speakon connectors
- Easy to use thanks to clearly numbered insulation

TECHNICAL DATA

	SPM415 (4LIY1.5 mm²)Y	SPM425 (4LIY2.5 mm²)Y	SPM460 (4LIY6.0 mm²)Y	SPM825 (8LIY2.5 mm²)Y
Construction:				
Jacket, diameter:	PVC: 8.6 mm	PVC: 10.2 mm FRNC/Cca: 9.0 mm	FRNC/Cca: 13.2 mm	PVC: 15.3 mm FRNC/Cca: 12.5 mm
Jacket material, insulation:	Standard in PVC/ FRNC version halogen-free + flame-retardant			
Inner conductors:	4 x 1.5 mm² (AWG15)	4 x 2.5 mm² (AWG13)	4 x 6.00 mm² (AWG10)	8 x 2.5 mm² (AWG13)
Copper strands per conductor:	84 x 0.15 mm	78 x 0.20 mm	84 x 0.30 mm	78 x 0.20 mm
Conductor insulation, Ø:	2.6 mm	3.05 mm	3.05 mm	3.25 mm
Temperature range:	-25 °C...+70 °C	-25 °C...+70 °C	-25 °C...+70 °C	-25 °C...+70 °C
Fire load per m:	0.58 kWh	0.80 kWh	1.4 kWh	1.9 kWh
Weight per 1 m:	120 g	180 g	353 g	354 g
Jacket color:	■ black	■ black	■ black	■ black
Packaging:	per m	per m	per m	per m

ELECTRICAL DATA

Cond. resistance per 1 km:	< 12.6 Ω	< 7.7 Ω	< 3.3 Ω	< 7.6 Ω
Insulat. resistance per 1 km:	> 5 MΩ	> 5 MΩ	> 5 MΩ	> 5 MΩ
Operation/test voltage:	max. 300 V/2 kV	max. 300 V/2 kV	max. 300 V/2 kV	max. 300 V/2 kV

ORDER NO. ■ PVC	490-0051-415	490-0051-425	-	490-0351-825
ORDER NO. ★FRNC/Cca	-	490-0051-425FC NEW	490-0051-460FC NEW	490-0051-825FC NEW



SPEAKER CABLE

MULTI-CONDUCTOR

SC-ELEPHANT ROBUST

⊗ STAGE ⊗ MOBILE ⊗ STUDIO ⊗ INSTALL ⊗ ELA ⊗ HIFI
ANALOG CPR FRNC HALOGEN-FREE PUR OFC

Extra rugged for daily stage use ...

We improved the jacket stability on the 4.0 mm²/AWG11 **SC-ELEPHANT** series. Furthermore, it is flexible, robust, crush-resistant, easy to reel and, of course, reusable time and time again. Now the jacket surface is also slick and easy to keep clean. We have customized the outer wire diameter to make it easy to work with common speaker multi-pin connectors (CA-COM 8-pin, NL8, LKS19, EP5).

A particular highlight of the **SC-ELEPHANT SPM1640** is its capacity to handle 8 speaker lines in only one cable. A number of tailor-made prefab cable solutions can be found under "Multicore & Power Distribution Systems."

FREE SAMPLE AVAILABLE!
Sectional drawing see website.

∅ mm 11.0	∅ mm 18.5	∅ mm 16.4	∅ mm 26.0
mm ² 4x4	mm ² 8x4	mm ² 8x4 (Cca)	mm ² 24x4

APPLICATIONS:

- Professional PA/sound reinforcement systems

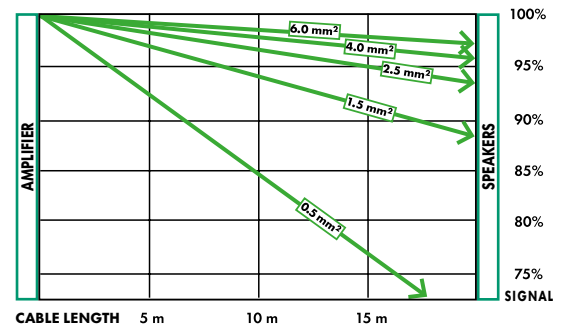
PRODUCT ADVANTAGES:

- Loss-free transmission due to special wire stranding
- Highly flexible and stage-ready, easy to reel
- Compatible with CA-COM 8-pin, NL8, LKS19, and EP5 connectors
- Easy to work with thanks to good insulation and clear numeric identification
- PUR version transversely watertight



To avoid kinking, we have provided the 8-wire version, **SPM840** (PVC), with a special filler and a Soffflex PVC jacket.

Power cables see: "Bulk cable - Various".



Power handling chart: power loss in loudspeaker cables of various cross-sections as a function of the cable length

TECHNICAL DATA	SPM440 (4LIY4.0 mm ²)Y	SPM840 PVC/PUR (8LIY4.0 mm ²)Y	SPM840 FRNC/CCA (8LIY4.0 mm ²)Y	SPM2440 (24LIY4.0 mm ²)Y
Construction:	(4LIY4.0 mm ²)Y	(8LIY4.0 mm ²)Y	(8LIY4.0 mm ²)Y	(24LIY4.0 mm ²)Y
Jacket, diameter:	11.0 mm	18.5 mm	16.4 mm	26.0 mm
Jacket material, insulation:	Standard in PVC, FRNC version halogen-free + flame-retardant, PUR version flame-retardant + self-extinguishing			
Inner conductors:	4 x 4 mm ² (AWG11)	8 x 4 mm ² (AWG11)	8 x 4 mm ² (AWG11)	24 x 4 mm ² (AWG11)
Copper strands per conductor:	224 x 0.15 mm	128 x 0.20 mm	48 x 0.31 mm	133 x 0.19 mm
Conductor insulation, ∅:	3.75 mm	3.75 mm	4.0 mm	3.65 mm
Temperature range:	PVC+FRNC: -25 °C...+70 °C / PUR: -30 °C...+70 °C			
Fire load per m:	0.85 kWh	2.25 kWh	2.25 kWh	3.77 kWh
Weight per 1 m:	246 g	570 g	570 g	1500 g
Jacket color:	PVC+FRNC: ■ black			
Packaging:	per m	per m	per m	per m

ELECTRICAL DATA

Cond. resistance per 1 km:	< 4.5 Ω	< 4.5 Ω	< 4.5 Ω	< 4.5 Ω
Insulat. resistance per 1 km:	> 5 MΩ	> 5 MΩ	> 5 MΩ	> 5 MΩ
Operation/test voltage:	PVC+FRNC: max. 300 V/2 kV			

ORDER NO. ■ PVC 490-0051-440 490-0351-840

ORDER NO. ■ FRNC/CCa 490-0051-440FC NEW 490-0051-840FC NEW

ORDER NO. ■ PUR 490-0251-440 490-0351-840P NEW



490-0051-2440 NEW

2 x00070

BULK CABLE – VIDEO



Simply good vibes.

(AWG14) • by **SOMMER**CABLE Germany



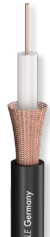





www.sommercable.com

OVERVIEW BULK CABLE VIDEO



Name:	RG8/U △ RG213/UBX	RG58C/U	RG58C/U LL	RG174A/U	RG213/U	RG213/LL △ HF400TT
Page:	74	74	74	74	75	75
Type:	RG/U Coaxial Cable 50 Ω					
Jacket-Ø (outer dimension) [mm]:	9.5	5.0	5.0	2.8	10.3	10.3
Ø Inner conductors [mm]:	1x1.85 AWG13	1x0.78 AWG20	1x1.02 AWG18	1x0.42 AWG26	1x1.98 AWG12	1x2.74 AWG10
Solid wire:			■			■
Insulation:	PE	PE	Foam/Skin-PE	PE	PE	Foam/Skin-PE
Copper spiral shielding:						
Copper cross-mesh shielding:	■	■	■	■	■	■
Foil shield:			■			■
Fleece shield, conductive:						
HD-SDI(HDTV)/3G-SDI:						
6G-SDI/12G-SDI:						
Halogen-free/FRNC/PUR:		■/■/-				
CPR classification:						
AQUA/E30/TERRA/ARAMID:						
Mobile/Installation/ELA:	-/■/■	-/■/■	-/■/■	-/■/■	-/■/■	-/■/■
Shielding factor:	92 %	92 %	92 %	92 %	92 %	100 %
Capacity cond./shield. per 1 m [pF]:	101	99	82	101	101	80
Surge impedance [Ω]:	50	50	50	50	50	50
Velocity factor:	0.66	0.66	0.66	0.66	0.66	0.84
Attenuation per 100 m at 100 MHz [dB]:	7.8	15.0	10.3	27.4	7.0	3.6

Color:	Type:	ORDER NO.					
■ black	PVC	600-0511	600-0401	600-0401LL	600-0501	600-0551	600-0551HF
	FRNC	-	600-0401F	-	-	-	-

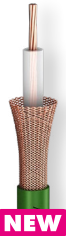







						
Name:	RG59B/U	SC-ASTRAL LLX 120 dB / & AQUA-ARAMID	SC-ASTRAL HD ECA	SC-ASTRAL PRO SERIES 0.7/2.9 HD	SC-ASTRAL PRO SERIES 0.8/3.7 HD	SC-ASTRAL PRO SERIES 1.6/7.3 HD
Page:	75	76	76	77	77	77
Type:	RG/U Coaxial Cable 75 Ω	SAT-cable HD-SDI / HDTV	SAT-cable HD-SDI / HDTV	SAT-cable HD/UHD/DIGITAL PROFESSIONAL		
Jacket-Ø (outer dimension) [mm]:	6.2	6.8 / 8.5	6.8	4.6 / 9x4.6	5.6	10.3
Ø Inner conductors [mm]:	1x0.60	1x1.13	1x1.0	1 / 2 x 0.65	1 x 0.8	1 x 1.6
	AWG23	AWG17	AWG18	AWG22	AWG20	AWG14
Solid wire:	■	■	■	■	■	■
Insulation:	PE	Foam/Skin-PE	Foam/Skin-PE	Foam/Skin-PE	Foam/Skin-PE	Foam/Skin-PE
Copper spiral shielding:						
Copper cross-mesh shielding:	■	■	■	■	■	■
Foil shield:		■	■ ■	■ (■)	■ ■	■ ■
Fleece shield, conductive:						
HD-SDI(HDTV)/3G-SDI:		■/-	■/-	■/-	■/-	■/-
6G-SDI/12G-SDI:						
Halogen-free/FRNC/PUR:		■/■/■	■/■/-			■/-/-
CPR classification:			Eca			
AQUA/E30/TERRA/ARAMID:		■/-/- ■				-/-/■/-
Mobile/Installation/ELA:	-/■/■	-/■/-	-/■/-	-/■/■	-/■/■	-/■/■
Shielding factor:	92 %	100 %	100 %	100 %	100 %	100 %
Capacity cond./cond. per 1 m [pF]:	67			55	55	55
Surge impedance [Ω]:	75	75	75	75	75	75
Velocity factor:	0.66					
Attenuation per 100 m at 100 MHz [dB]:	11.1	5.5 / 5.6	6.1	8.8	7.2	4.1

Color:	Type:	ORDER NO.					
■ black	PVC	600-0451	-	-	-	-	-
	PUR, AQUA-ARAMID, 1 x 1,13 mm	-	600-0961AQ-LLX	-	-	-	-
	PE, 1x1.6 mm	-	-	-	-	-	601-0991P
□ white	PVC, 1 x 0.65 mm	-	-	-	601-0930	-	-
	PVC, 1 x 0.80 mm	-	-	-	-	601-0950	-
	PVC, Eca 1 x 1.00 mm	-	-	601-0970C	-	-	-
	PVC, 1 x 1.13 mm	-	600-0960LLX	-	-	-	-
	PVC, 2 x 0.65 mm	-	-	-	601-0940	-	-
	FRNC, 1 x 1.13 mm	-	600-0960LLXF	-	-	-	-

BULK CABLE - VIDEO

Name:	SC-MONOMAX	TRANSIT MINI FLEX	SC-MONOMAX HD	SC-SLIMLINE (RCB)	TRANSIT 2/3/5/7 HD	TRANSIT MOBILE PUR	SC-ALTERA SPLIT HIGHFLEX
Page:	78	78	79	79	80	81	81
Type:	Video Cable 0.3L/1.8		Video Cable 0.4/1.9	Video Cable 0.6/2.8	Video Cable 0.6/2.8	Video Cable/ multi-coaxial	Video Component Cable
Jacket-Ø (outer dimension) [mm]:	2.7	8.2/9.6	3.6	4.2	10.2 – 15.0	15.3	18.0 x 6.2
Ø Inner conductors [mm]:	1x0.32	3x0.32 / 5x0.32	1 x 0.41	1 x 0.60	x0.60	7x0.66	3x0.66
	AWG28	AWG28	AWG26	AWG23	AWG23	AWG22	AWG22
Solid wire:			■	■	■		
Insulation:	Foam/Skin-PE	Foam/Skin-PE	Gas Injected-PE	Gas Injected-PE	Gas Injected Foam/Skin-PE	Foam/Skin-PE	PE
Copper spiral shielding:							
Copper cross-mesh shielding:	■	■	■	■	■	■	■
Foil shield:			■	■	■		■
Fleece shield, conductive:							
HD-SDI(HDTV)/3G-SDI:			■/■	■/-	■/-		
6G-SDI/12G-SDI:							
Halogen-free/FRNC/PUR:				■/■/-	■/■/-	■/■/■	
CPR classification:			Eca				
AQUA/E30/TERRA/ARAMID:							
Mobile/Installation/ELA:	-/■/-	■/■/-	-/■/-	-/■/■	■/■/■	■/■/■	-/■/-
Shielding factor:	95 %	95 %	100 %	100 %	100 %	95 %	100 %
Capacity cond./shield. per 1 m [pF]:	56	56	53	53	55	53	56
Surge impedance [Ω]:	75	75	75	75	75	75	75
Velocity factor:		0.66	0.85	0.82		0.82	
Attenuation per 100 m at 100 MHz [dB]:	21.5	21.5	16.3	9.7	10.6	9.4	8.8


Color:	Type:	ORDER NO.						
■ black	PVC, 1x0.40 mm	-	-	600-0041C	-	-	-	-
	PVC, 1x0.60mm	-	-	-	600-0851	-	-	-
	PVC, 2x0.60 mm	-	-	-	-	600-0851-02	-	-
	PVC, 3x0.60 mm	-	-	-	-	600-0851-03	-	-
	PVC, 5x0.60 mm	-	-	-	-	600-0851-05	-	-
	PVC, 7x0.60 mm	-	-	-	-	600-0851-07	-	-
	FRNC, 1x0.60 mm	-	-	-	600-0851F	-	-	-
	FRNC, 2x0.60 mm	-	-	-	-	600-0851-02F	-	-
	Antistatic-PVC, 1x0.32 mm	600-0251-01	-	-	-	-	-	-
Antistatic-PVC, 3x0.32 mm	-	600-0251-03	-	-	-	-	-	
Antistatic-PVC, 5x0.32 mm	-	600-0251-05	-	-	-	-	-	
■ green	PVC, 1x0.60 mm	-	-	-	600-0854	-	-	-
	Antistatic-PVC, 1x0.32 mm	600-0254-01	-	-	-	-	-	-
■ blue	Antistatic-PVC, 1x0.32 mm	600-0252-01	-	-	-	-	-	-
	PVC, 3x0.60 mm (strand)	-	-	-	-	-	-	600-0712
	PVC, 3x0.60 mm (strand), without imprint	-	-	-	-	-	-	600-0712NE
■ orange	PVC, 1x0.60 mm	-	-	-	600-0855	-	-	-
■ violet	PVC, 1x0.60 mm	-	-	-	600-0858	-	-	-
□ white	Antistatic-PVC, 1x0.32 mm	600-0250-01	-	-	-	-	-	-
■ red	Antistatic-PVC, 1x0.32 mm	600-0253-01	-	-	-	-	-	-
■ grey	PUR, 7x0.60mm (strand)	-	-	-	-	-	600-0646-07	-

								
Name:	SC-FOCUSLINE L HIGHFLEX	SC-FOCUSLINE MS HIGHFLEX	SC-AQUA MARINEX VIDEO 0.6L/3.7	SC-FOCUSLINE PUR	SC-VECTOR (RCB) 0.8/3.7	SC-VECTOR (RCB) 2x/4x0.8/3.7	SC-RG CLASSIC BROADCAST 1.0/4.8	SC-AQUA MARINEX VIDEO 1.2L/4.8
Page:	82	82	83	83	84	84	85	85
Type:	Video Cable 0.6/3.7		Video/instrument cable 0.6L/3.7 Transversely watertight	Video Cable 0.75L/3.4 PUR	Video Cable 0.8/3.7		Video Cable 1.0/4.8	Video Cable 1.02L/4.8 Transversely watertight
Jacket-Ø (outer dimension) [mm]:	6.2	6.2	6.4	5.8	6.0	15.0/17.0	7.1	7.4
Ø Inner conductors [mm]:	1 x 0.53	1x0.60	1x0.60	1x0.67	1 x 0.80	x 1 x 0.80	1 x 1.0	1x1.0
	AWG24	AWG23	AWG23	AWG22	AWG20	AWG20	AWG18	AWG18
Solid wire:		■			■	■	■	
Insulation:	PE	PE	PO	Foam/Skin-PE	Gas Injected PE	Gas Injected PE	Gas Injected PE	PO
Copper spiral shielding:								
Copper cross-mesh shielding:	■	■	■	■	■	■	■	■ ■
Foil shield:					■	■	■	
Fleece shield, conductive:		■						
HD-SDI(HDTV)/3G-SDI:					■/■	■/■	■/■	■/■
6G-SDI/12G-SDI:					■/-	■/-	■/-	■/-
Halogen-free/FRNC/PUR:		■/■/-	■/-/■	■/-/■	■/■/-	■/■/-	■/■/-	■/-/■
CPR classification:	Eca				Dca		Dca	
AQUA/E30/TERRA/ARAMID:			■/-/-/-					■/-/-/-
Mobile/Installation/ELA:	■/■/■	■/■/■	■/■/■	■/■/■	■/■/■	■/■/■	-/■/■	■/■/■
Shielding factor:	92 %	100 %	90 %	75 %	100 %	100 %	100 %	90 %
Capacity cond./shield. per 1 m [pF]:	67	67	70	55	52.9	52.9	53	52
Surge impedance [Ω]:	75	75	75	75	75	75	75	75
Velocity factor:	0.66	0.66	0.66	0.80	0.82	0.82	0.82	0.78
Attenuation per 100 m at 100 MHz [dB]:	10.2	10.5	11.2	9.9	8.0	8.0	6.2	7.2

BULK CABLE - VIDEO







Color:	Type:	ORDER NO.							
■ black	PVC, 1x0.60 mm (strand)	600-0051LC	-	-	-	-	-	-	-
	FR-PVC, 1x0.60 mm	-	600-0051MS	-	-	-	-	-	-
	PVC, 1x0.75 mm (strand)	-	-	-	600-0071L	-	-	-	-
	PVC, 1x0.80 mm	-	-	-	-	600-0161	-	-	-
	PVC, 4x0.80 mm	-	-	-	-	-	600-0161-04	-	-
	PUR, 1x0.60 mm (strand)	-	-	600-0241AQ	-	-	-	-	-
	PUR, 1x1.0 mm (strand)	-	-	-	-	-	-	-	605-0241AQ
■ green	PVC, 1x0.60 mm (strand)	600-0054LC	-	-	-	-	-	-	-
	FR-PVC, 1x0.60 mm	-	600-0054MS	-	-	-	-	-	-
	PVC, 1x0.80 mm	-	-	-	-	600-0164	-	-	-
	PVC, 1x1.0 mm	-	-	-	-	-	-	600-0144	-
	FRNC/Dca, 1x1.0 mm	-	-	-	-	-	-	600-0144FC	-
■ blue	PVC, 1x0.80 mm	-	-	-	-	600-0162	-	-	-
	PVC, 2x0.80 mm	-	-	-	-	-	600-0162-02	-	-
	PVC, 4x0.80 mm	-	-	-	-	-	600-0162-04	-	-
	FRNC/Dca, 1x0.80 mm	-	-	-	-	600-0162FC	-	-	-

I This is an overview of the maximum transmission lengths of our video cables, sorted by SMPTE standard or data rate respectively.



Name:	SC-VECTOR PLUS 1.2L/4.8DZ	SC-VECTOR PLUS ..x1.2L/4.8DZ	SC-VECTOR PLUS 1.2L/5.0	SC-VECTOR PLUS 5x1.2L/5.0	SC-VECTOR PLUS 1.3/5.7	SC-VECTOR PLUS RCB MOBILE 1.6L/7.3	SC-VECTOR PLUS RCB INSTALL 1.6/7.0	SC-VECTOR PLUS RCB 4K RG11/U 1.6/7.1	SC-CLASSIC CONTROL	SC-OBSERVER 1 HD
Page:	86	86	87	87	88	89	89	89	90	90
Type:	Video Cable 1.2L/4.8		Video Cable 1.2L/5.0	Video Cable 5x1.2L/5.0	Video Cable 1.3/5.7	Video Cable 1.6L/7.3	Video Cable 1.6/7.0	Video Cable 1.6/7.1	RG59 + Control	75 Ω + Power Combo cable
Jacket-Ø (outer dimension) [mm]:	7,1	21,8/28,5	6,95	22,1	8,1	10,3	10,2	10,1	10,5	9,0
Ø Inner conductors [mm]:	1x1.06	4x/7x1.06	1x1.06	5x1.06	1x1.3	1x1.4	1x1.6	1x1.63	1x0.60	1x0.60
	AWG18	AWG18	AWG18	AWG18	AWG16	AWG16	AWG14	AWG14	AWG23/1	AWG23/1
Solid wire:					■		■	■	■	■
Insulation:	Foam/Skin-PE	Foam/Skin-PE	Foam/Skin-PE	Foam/Skin-PE	Foam/Skin-PE	Skin-Foam-Skin-PE	Gas Injected PE	Gas Injected PE	PE	Gas Injected PE
Copper spiral shielding:										
Copper cross-mesh shielding:	■ ■	■ ■	■	■	■	■ ■	■	■	■	■
Foil shield:			■	■	■ ■		■	■ ■		■
Fleece shield, conductive:										
HD-SDI(HDTV)/3G-SDI:	■/■	■/■	■/■	■/■	■/■	■/■	■/■	■/■		■/-
6G-SDI/12G-SDI:	■/-	■/-	■/-	■/-	■/■	■/-	■/■	■/■		
Halogen-free/FRNC/PUR:	■/■/■	-/-/■	■/■/-	■/■/-			■/■/-			
CPR classification:			Dca/Cca		Eca		Dca			
AQUA/E30/TERRA/ARAMID:										■/-/-/-
Mobile/Installation/ELA:	■/■/■	■/■/■	■/■/■	■/■/■	■/■/■	■/■/■	■/■/■	■/■/■	-/■/-	-/■/-
Shielding factor:	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %	90 %	100 %
Capacity cond./shield. per 1 m [pF]:	53	53	52	52	53	52,4	53	52,5	67	55
Surge impedance [Ω]:	75	75	75	75	75	75	75	75	75	75
Velocity factor:	0,86	0,86	0,80	0,80	0,84	0,82	0,80	0,85		
Attenuation per 100 m at 100 MHz [dB]:	6,7	6,7	6,5	6,5	4,8	4,3	3,4	4,1	7,7	10,8

Color:	Type:	ORDER NO.									
■ black	PVC	-	-	-	-	600-0131	600-0221	-	600-0281	-	-
	PVC, without imprint	-	-	-	-	600-0131NE	-	-	-	-	-
	PVC, 1 x Coax + 2 x 0.75 mm ²	-	-	-	-	-	-	-	-	600-0481-2075	-
	PVC, 1 x Coax + 3 x 0.75 mm ²	-	-	-	-	-	-	-	-	-	600-2101
	PVC, 5 x 1.20 mm (strand)	-	-	-	600-0171-05	-	-	-	-	-	-
	Soft PUR FRNC, 1x1.20mm (strand)	600-0211	-	-	-	-	-	-	-	-	-
■ green	PVC, 1 x1.20 mm (strand)	-	-	600-0174	-	-	-	-	-	-	-
	PVC, 5 x1.20 mm (strand)	-	-	-	600-0174-05	-	-	-	-	-	-
	PVC, 1 x1.60 mm (strand)	-	-	-	-	-	600-0224	-	-	-	-
	PVC, 1 x1.60 mm	-	-	-	-	-	-	600-0234	-	-	-
	Soft PUR FRNC, 1x1.20 mm (strand)	600-0214	-	-	-	-	-	-	-	-	-
	PMB, 4 x1.20 mm (strand)	-	600-0214-04	-	-	-	-	-	-	-	-
	PMB, 7 x1.20 mm (strand)	-	600-0214-07	-	-	-	-	-	-	-	-
	FRNC/Dca, 1 x1.20 mm (strand)	-	-	600-0174FC	-	-	-	-	-	-	-
	FRNC/Cca, 1x1.20 mm (strand)	-	-	600-0274FC	-	-	-	-	-	-	-
	FRNC, 5 x1.20 mm (strand)	-	-	-	600-0174-05F	-	-	-	-	-	-
	FRNC/Dca, 1 x1.60 mm	-	-	-	-	-	-	600-0234FC	-	-	-

						
Name:	TRANSIT HighSpeed HDMI with Ethernet	TRANSIT MC 1001 HD	TRANSIT MC 2001 HD	TRANSIT MC 1101 HD	TRANSIT MC 1031 HD	TRANSIT MC 120 HD
Page:	91	92/93	92/93	92/93	92/93	94
Type:	HDMI Cable	Video/CAT and power hybrid cable		Video/ CAT.7 and Audio hybrid cable	Video/CAT.7 and power hybrid cable	Video/Audio hybrid cable
Jacket-Ø (outer dimension) [mm]:	9.6	19.5	20.4	19.6	19.9	10.0
Ø Inner conductors [mm]:	5 x (2 x 0.50 mm) + 1 x (2 x 0.14 mm ²) + 2 x 0.14 mm ²	1 x 1.2 + 1 x (4 x 2 x 0.26 mm ²)	2 x 1.2 + 1 x (4 x 2 x 0.26 mm ²)	1 x 1.2 + 1 x (4 x 2 x 0.26 mm ²) + 1 x (2 x 0.15 mm ²)	1 x 1.2 + 1 x (4 x 2 x 0.57) + 3 x 2.5 mm	1 x 0.6 + 2 x 2 x 0.14 mm ²
Solid wire:	AWG24/26	AWG18	AWG18	AWG18/26 (audio)	AWG18	AWG23/26 (audio)
Insulation:	Foam/Skin-PE	Foam/Skin-PE	Foam/Skin-PE	Foam/Skin-PE	Foam/Skin-PE	Foam/Skin-PE
Copper spiral shielding:						
Copper cross-mesh shielding:	■	■ ■	■ ■	■ ■	■ ■	■
Foil shield:	■					■
Fleece shield, conductive:						
HD-SDI(HDTV)/3G-SDI:		■/■	■/■	■/■	■/■	■/-
6G-SDI/12G-SDI:		■/-	■/-	■/-	■/-	
Halogen-free/FRNC/PUR:						
CPR classification:						
AQUA/E30/TERRA/ARAMID:						
Mobile/Installation/ELA:	-/■/-	■/■/-	■/■/-	■/■/-	■/■/-	■/■/■
Shielding factor:	100 %	100 %	100 %	100 %	100 %	100% (video)
Capacity cond./shield. per 1 m [pF]:		53	53	53 (video) 80 (audio)	53	67 (video) 95 (audio)
Surge impedance [Ω]:	100	75	75	75	75	75
Velocity factor:	0.73	0.86	0.86	0.86	0.86	
Attenuation per 100 m at 100 MHz [dB]:	3.9	6.7	6.7	6.7	6.7	9.7

Color:	Type:	ORDER NO.					
■ black	PVC	612-0251	-	-	-	-	-
	PVC, 1 x Coax + 2x2x0.14 mm ²	-	-	-	-	-	600-0791
	PVC, 1 x Coax + 1 x CAT	-	600-1001	-	-	-	-
	PVC, 1 x Coax + 1 x CAT + Power	-	-	-	-	600-1031	-
	PVC, 2 x Coax + 1 x CAT	-	-	600-2001	600-2811-01	-	-

BULK CABLE - VIDEO

NEW

TRANSIT
MC 123 HD

NEW

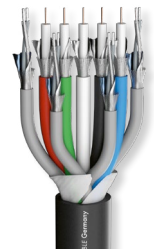
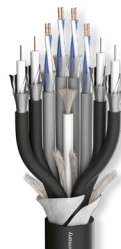
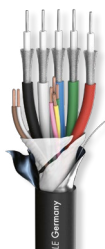
TRANSIT
MC 2235 HDTRANSIT MC
2030 HDTRANSIT
MC 3202 HDTRANSIT MC
3231 HD-SDI

NEW

TRANSIT MC
3201 HD-SDI

Name:	TRANSIT MC 123 HD	TRANSIT MC 2235 HD	TRANSIT MC 2030 HD	TRANSIT MC 3202 HD	TRANSIT MC 3231 HD-SDI	TRANSIT MC 3201 HD-SDI	
Page:	94	94	95	95	96	96	
Type:	Video/audio/(control)/power hybrid cable		Video/power combo cable (HD-SDI)	Video/audio/control camera cable (UHD-SDI)	Video/audio/(power)/CAT 10 GBit combo cable [HD-SDI]		
Jacket-Ø (outer dimension) [mm]:	14.2	15.5	18.8	20.9	24.0	20.5	
Ø Inner conductors [mm]:	Video: Audio: Power: Control: CAT:	1x0.6 (AWG23/1) 2x2x0.14 mm ² (AWG26) 3x15 mm ²	2x0.8 (AWG20) 2x2x0.14 mm ² (AWG26) 3x15 mm ² 5x0.34 mm ² (AWG22)	2 x 1.2 (AWG18) 3 x 1.5 mm ²	3 x 1.06 (AWG18) 2x2x0.14 mm ² (AWG26) 2x0.75 mm ² (AWG18)	3x1.06 (AWG18) 2x2x0.15 mm ² (AWG25) 3x2.5 mm ² (AWG13) 4x2x0.14 mm ² (AWG26/7)	3x1.06 (AWG18) 2x2x0.15 mm ² (AWG25) 4x2x0.14 mm ² (AWG26/7)
Solid wire:	■	■					
Insulation:	Foam/Skin-PE	Foam/Skin-PE	Foam/Skin-PE	Foam/Skin-PE	Foam/Skin-PE	Foam/Skin-PE	
Copper spiral shielding:							
Copper cross-mesh shielding:	■	■	■ ■	■ ■	■	■	
Foil shield:	■	■		■	■	■	
Fleece shield, conductive:							
HD-SDI(HDTV)/3G-SDI:	■/-	■/-	■/■	■/■	■/■	■/■	
6G-SDI/12G-SDI:			■/-	■/-	■/-	■/-	
Halogen-free/FRNC/PUR:							
CPR classification:							
AQUA/E30/TERRA/ARAMID:							
Mobile/Installation/ELA:	■/■/■	■/■/■	■/■/-	■/■/-	■/■/-	■/■/-	
Shielding factor:	100 %	100 %	100 %	100 %	100 %	100 %	
Capacity cond./shield. per 1 m [pF]:	56 (video) 100 (audio)	59 (video) 130 (audio)	53	52	52	52	
Surge impedance [Ω]:	75	75	75	75	75	75	
Velocity factor:			0.86	0.80	0.80	0.80	
Attenuation per 100 m at 100 MHz [dB]:	9.7	7.7	6.7	6.5	6.5	6.5	

Color:	Type:	ORDER NO.					
■ black	PVC, 2 x Coax + POWER	-	-	600-2031	-	-	-
	PVC, 3 x Coax + 2 x Audio + 2 x Control	-	-	-	600-3202	-	-
	SOFT-PVC, 3 x Coax + 2 x Audio + 1 x CAT + POWER	-	-	-	-	600-2791	-
	SOFT-PVC, 3 x Coax + 2 x Audio + 1 x CAT	-	-	-	-	-	600-2781
	FRNC, 1 x Coax + 1x2x0.14 mm ² + Power	605-0761	-	-	-	-	-
	PVC, 2 x Coax + 2x2x0.14 mm ² + 5x0.34 mm ² + Power	-	600-2231	-	-	-	-



Name:	TRANSIT MINI CONTROL 506	SC-IMPULSE DVI DUAL LINK	TRANSIT KOMBI HD-SDI MC 4400	TRANSIT KOMBI HD-SDI MC 5200	TRANSIT KOMBI HD-SDI MC 5400
Page:	97	97	98	98	98
Type:	Video Cable 0.3L/1.8	DVI dual link cable	Video combo cable 0.6/2.8 [HD-SDI]		
Jacket-Ø (outer dimension) [mm]:	10.0	11.5	15.6	15.6	17.4
Ø Inner conductors [mm]:	5 x 0.32 + 6 x 0.14 mm ²	7 x (2x0.20mm ²) + 2 x 0.20mm ² + 3 x 0.20 mm ²	4x0.60 + 4x2x0.14 mm ²	5 x 0.60 + 2x2x0.14mm ²	5 x 0.60 + 4x2x0.14 mm ²
	AWG28	AWG24	AWG23/26	AWG23/26	AWG23/26
Solid wire:			■	■	■
Insulation:	Foam/Skin-PE	Foam/Skin-PE + HD-PE	Foam/Skin-PE	Foam/Skin-PE	Foam/Skin-PE
Copper spiral shielding:					
Copper cross-mesh shielding:	■	■	■	■	■
Foil shield:	■	■ ■	■	■	■
Fleece shield, conductive:					
HD-SDI(HDTV)/3G-SDI:			■/-	■/-	■/-
6G-SDI/12G-SDI:					
Halogen-free/FRNC/PUR:	■/-/-		■/-/■	-/■/-	
CPR classification:					
AQUA/E30/TERRA/ARAMID:					
Mobile/Installation/ELA:	■/■/-	■/■/-	■/■/-	■/■/-	■/■/-
Shielding factor:	95 %	100 %	100 %	100 %	100 %
Capacity cond./shield. per 1 m [pF]:	56		55	55	55
Surge impedance [Ω]:	75		75	75	75
Velocity factor:					
Attenuation per 100 m at 100 MHz [dB]:	20.2		10.6	10.6	10.6

Color:	Type:	ORDER NO.				
■ black	PVC	-	600-1921	-	-	-
	PUR, 4 x Coax + 4 x audio	-	-	600-1441	-	-
	FRNC, 5 x Coax + 2 x audio	-	-	-	600-0601-05F	-
	PVC, 5 x Coax + 4 x audio	-	-	-	-	600-1451
	PVC, 5 x Coax + 6 x Control	600-0261-0506	-	-	-	-
	PVC, 5 x Coax + 6 x Control, halogen-free	600-0261-0506H	-	-	-	-

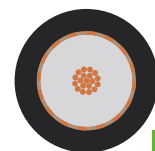
RG/U COAXIAL CABLE

CONFORMING TO MIL-C-17

50Ω

SC-CLASSIC SERIES MKII

 STUDIO INSTALL ELA

 ANALOG FRNC HALOGEN-FREE OFC


Sectional drawing 1

Military-spec precision ...

is what you get with these remarkably versatile coaxial cables. Our RG (radio guide) cables have earned a reputation for their age-defiant jacketing and durability. RG cables have either one or two cross-braided shields, designed according to the American MIL-C-17 standard.

This standard, originally developed for the army, guarantees excellent and consistent manufacturing quality and durability. RG cables have been created for a vast number of applications in high frequency technology, electronics, and data transmission.

FREE SAMPLES AVAILABLE!

More sectional drawings see website.

APPLICATIONS:

- Data transmission
- High frequency technology
- Antenna construction
- Fixed installation
- Computer technology

PRODUCT ADVANTAGES:

- Extremely long life due to age-resistant jacket
- Consistent and precise electrical values
- Easy to work with
- Suitable for all standardized connectors

Ø mm
9.5Ø mm
5.0Ø mm
5.0Ø mm
2.8Shielding
92%Shielding
92%Shielding
92%Shielding
92%Ø Conductor
1.85Ø Conductor
0.78Ø Wire
1.02Ø Conductor
0.42

TECHNICAL DATA

	1 RG8/U \triangleq RG213/UBX	2 RG58C/U	3 RG58C/U LL	4 RG174A/U
Jacket, diameter:	PVC 9.5 mm	PVC/FRNC 5.0 mm	PVC 5.0 mm	PVC 2.8 mm
Inner conductors:	2.7 mm ² \triangleq Ø 1.85 mm	0.48 mm ² \triangleq Ø 0.78 mm	Ø 1.02 mm	0.14 mm ² \triangleq Ø 0.42 mm
AWG:	AWG13	AWG20	AWG18	AWG26
Copper strands per conductor:	7 x 0.70 mm copper, bare	19 x 0.18 mm copper tin-plated	1 x 1.02 mm solid wire	7 x 0.16 mm wire
Conductor insulation:	PE 6.4 mm	PE 2.95 mm	Foam/skin-PE 2.95 mm	PE 1.5 mm
Shielding:	Copper braiding, bare	Copper braiding tin-plated	Copper braiding tin-plated + AL-foil	Copper braiding tin-plated
Shielding factor:	92%	92%	92%	92%
Temperature range:	-25°C...+70°C	-25°C...+70°C	-25°C...+70°C	-25°C...+70°C
Fire load per m:	0.59 kWh	0.15 kWh	0.15 kWh	0.11 kWh
Weight per 1 m:	128 g	38 g	38 g	11 g
Jacket color:	■ black	■ black	■ black	■ black
Packaging:	100 m ring / 500 m spool	100 m ring / 500 m spool	100 m ring / 500 m spool	100 m ring
Matching plug:	-	BNC58	BNC58LL	BNC174, SMA174, SMB174

ELECTRICAL DATA

Surge impedance:	50 Ω ± 3%	50 Ω ± 2%	50 Ω ± 3%	50 Ω ± 2%
Capac. cond./shield. per 1 m:	101 pF	99 pF	82 pF	101 pF
Velocity factor:	0.66	0.66	0.66	0.66
Attenuation per 100 m (20°C):	100 MHz: 7.8 dB 200 MHz: 10.6 dB 470 MHz: 16.6 dB 862 MHz: 25.3 dB	15.0 dB 22.4 dB 32.0 dB 51.3 dB	10.3 dB 15.2 dB 21.3 dB 31.4 dB	27.4 dB 40.7 dB 60.5 dB 87.8 dB

ORDER NO. PVC

600-0511

600-0401

600-0401LL

600-0501

ORDER NO. FRNC

600-0401F



x00070



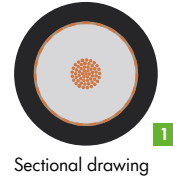
RG/U COAXIAL CABLE

CONFORMING TO MIL-C-17

50Ω/75Ω

SC-CLASSIC SERIES MKII

⊗ STUDIO ⊗ INSTALL ⊗ ELA
 ANALOG OFC



Military-spec precision ...

is what you get with these remarkably versatile coaxial cables. And our RG (radio guide) cables have developed a reputation for the age-defiant jacketing and durability. RG cables have either one or two cross-braided shields, designed according to the American MIL-C-17 standard. This standard originally developed for the army, guarantees excellent and consistent manufacturing quality and durability. RG cables have been created for a vast number of applications in high frequency technology, electronics, and data transmission.

FREE SAMPLES AVAILABLE!

More sectional drawings see website.

APPLICATIONS:

- Data transmission
- High frequency technology
- Antenna construction
- Fixed installation
- Hi-fi connections
- Computer technology

PRODUCT ADVANTAGES:

- Extremely long life due to age-resistant jacket
- Consistent and precise electrical values
- Easy to work with
- Suitable for all standardized connectors



With the "Powercut PC85" you can make fast, clean and precise cuts (up to 6.00 mm²/AWG10)!

TECHNICAL DATA

	1 RG213/U, 50Ω	2 RG213/LL Δ HF400TT, 50Ω	3 RG59B/U, 75Ω
Jacket, diameter:	PVC 10.3 mm	PE 10.3 mm	PVC 6.2 mm
Inner conductors:	3.09 mm ² Δ Ø 1.98 mm	Ø 2.74 mm	Ø 0.6 mm
AWG:	AWG12	AWG10	AWG23
Copper strands per conductor:	7 x 0.75 mm copper	1 x 2.74 mm solid, Aluminum copper plated	0.60 mm solid copper wire
Conductor insulation:	PE 7.3 mm	Foam/skin-PE 7.25 mm	PE 3,7 mm
Shielding:	Copper braiding, bare	Copper braiding tin-plated+Al/PT-foil	Copper braiding
Shielding factor:	92%	100%	92 %
Temperature range:	-25°C...+70°C	-40°C...+75°C	-25 °C...+70 °C
Fire load per m:	0.70 kWh	0.71 kWh	0.24 kWh
Weight per 1 m:	159 g	107 g	57 g
Jacket color:	■ black	■ black	■ black
Packaging:	100 m ring/500 m spool	100 m ring/500 m spool	100 m ring/500 m spool
Matching plug:	BNC213	BNC213LL-T	BNC59, NBNC75BLP7

ELECTRICAL DATA

Surge impedance:	50 Ω ± 2%	50 Ω ± 2%	75 Ω ± 3 %
Capac. cond./shield. per 1 m:	101 pF	80 pF	67 pF
Velocity factor:	0.66	0.84	0.66
Attenuation per 100 m: (20°C)	100 MHz: 7.0 dB 200 MHz: 9.2 dB 470 MHz: 14.5 dB 862 MHz: 20.6 dB 1000 MHz: 23.0 dB 1485 MHz: 28.0 dB 1750 MHz: 30.3 dB 2150 MHz: 32.8 dB 3000 MHz: 34.1 dB	3.6 dB 5.3 dB 8.8 dB 12.3 dB 13.2 dB 16.5 dB 18.7 dB 21.0 dB 25.1 dB	11.1 dB 16.8 dB 25.1 dB 36.4 dB 39.2 dB

ORDER NO.

600-0551

600-0551HF **NEW**

600-0451





SAT CABLE HD-SDI/HDTV

LOW-LOSS + ANTI AGING (LLX)

SC-ASTRAL SC-ASTRAL-LLX 120 DB

STUDIO INSTALL

ANALOG DIGITAL HDTV OFC HALOGEN-FREE FRNC ARAMID

As old as Methuselah ...

and at the same time be and look fit like a lad. The **SC-ASTRAL-LLX** features a patented design of carbon screens around solid wires and insulation plus a protective polyester foil underneath the outer PVC jacket. This avoids material fatigue and ensures constant, extremely low attenuation values as well as a shielding efficiency of 120 dBs for decades. Moreover, the two carbon screens stabilize the solid conductor and the skin PE insulation. That way the cable will keep its round shape and electrical values also after it has been laid.

The **SC-ASTRAL-LLX** meets the HD-SDI standard and is suitable for long cable routes in large SAT receiving systems. It is also available in an **ARAMID reinforced AQUA MARINEX** version.

FREE SAMPLE AVAILABLE!

Sectional drawing see website.

APPLICATIONS:

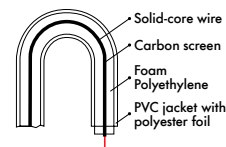
- High-end cable for broadband cable TV and digital SAT equipment
- For professional HDTV applications

PRODUCT ADVANTAGES:

- Excellent transmission quality and attenuation values
- Consistent values even after installation for decades due to patented anti-aging construction (LLX)
- Suitable for analog and digital applications, HDTV transmission quality/HD-SDI with SC-ASTRAL-LLX
- Version 600-0961AQ-LLX transversely watertight and rodent-proof

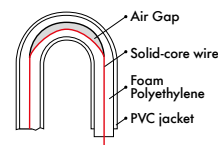
SC-ASTRAL-LLX

with patented carbon-coated construction



Conventional digital SAT cable

with standard Foam PE dielectric



TECHNICAL DATA	SC-ASTRAL-LLX	SC-AQUA MARINEX ASTRAL-LLX	SC-ASTRAL HD ECA
Construction:	(1.13/5.0) 120 dB	(1.13/5.0) 120 dB	(1.0/4.6) HD (RG6)
Jacket, Ø: PVC, white	PVC 6.8 mm	PUR 8.5mm, with ARAMID reinforcement	PVC, 6,8 mm Eca
Inner conductors:	1x1.13 mm (AWG17)	1x1.13 mm (AWG17)	1 x 1.0 mm (AWG18)
Copper strands per cond.:	Solid copper	Solid copper	Solid copper
Conductor insulation, Ø:	Foam/Skin-PE 5.0 mm	Foam/Skin-PE 5.0 mm	Foam/Skin-PE 4.65 mm
Shielding:	Copper braiding tin-plated + AL-foil + 2 x semiconductor	Cu braid tinned + AL compound foil, with special protective banding	AL foil + Cu braid tinned + 2. AL foil
Shielding factor:	100 %	100 %	100%
Temperature range:	-20 °C...+70 °C	-30 °C...+80 °C	-25°C...+70 °C
Fire load per m:	0.24 kWh	0,41 kWh	0.21 kWh
Weight per 1 m:	55 g	88 g	52 g
Packaging:	100 m/250 m spool	100 m spool	100 m/500 m reel
Matching plug:	HI-FM08/07, BNC1.2/5.0-T, BNC1.2/5.0 HD	FM-5.8, FMC-5.7	HI-FM07, FMC-5.0, ANT-MW, ANT-FW
ELECTRICAL DATA			
Surge impedance:	75 Ω ±2 %	75 Ω ±2 %	75 Ω ±3 %
Screening attenuation:	> 120 dB	> 120 dB	30 – 2000 MHz: >120 dB 2000 – 3000 MHz: >113 dB
D.C. resistance per km:	inner cond. 17 Ω outer cond. 9 Ω		
Attenuation per 100 m: (20°C)	100 MHz: 5.5 dB 200 MHz: 7.5 dB 470 MHz: 10.9 dB 862 MHz: 15.5 dB 1000 MHz: 17.5 dB 1485 MHz: 21.9 dB 1750 MHz: 24.5 dB 2150 MHz: 27.0 dB 3000 MHz: 33.0 dB	5.6 dB 7.9 dB 12.4 dB 17.0 dB 18.6 dB 23.0 dB 25.2 dB 28.4 dB 34.8 dB	6.1 dB 8.7 dB 13.7 dB 18.5 dB 20.5 dB 23.9 dB 25.6 dB 30.7 dB 36.9 dB

ORDER NO. PVC

600-0960LLX

ORDER NO. PUR

600-0961AQ-LLX **NEW**



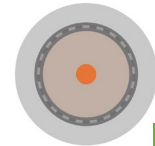
601-0970C **NEW**

SAT CABLES HD/UHD/DIGITAL PROFESSIONAL

SC-ASTRAL HD/UHD/DIGI PRO SERIES

STUDIO
 INSTALL
 ELA

ANALOG
 DIGITAL
 HDTV
 OFC
 HALOGEN-FREE
 TERRA (PE-Version)



Sectional drawings 2

"Almost" all decked out in white ...

this is our new generation of high-quality digital SAT cables with gas-injected insulation and "double skin" insulation smoothing, which guarantees extremely good long-time damping and shielding attenuation values as well as low coupling resistances. A tight, neatly applied screening avoids interspersions due to electromagnetic interference fields. The foils we use are overlapping and have an AL/PT coating to prevent ripping as a result of stretching or temperature fluctuations.

We process a high-grade class 6N (OFC 99,9999%) oxygen-free copper which – when properly installed – is armed against oxidation and guarantees lower tolerances for the surge impedance. Its high-quality S-PVC outer jacket is age-resistant, moisture-repellent, and its construction makes it very assembly-friendly.

FREE SAMPLE AVAILABLE!

More sectional drawings see website.

APPLICATIONS:

- Professional satellite technology for indoor and outdoor applications
- Permanent installation in buildings and surveillance systems

PRODUCT ADVANTAGES:

- Inner conductor of solid, oxygen-free copper (OFC Class 6N)
- High shielding factor, triple or quad shielding, low transfer impedances
- Gas-injected insulation, smoothed, heavy-duty AL/PT foil
- Trouble-free digital signal transmission with SAT/broadband cable/terrestrial systems
- Robust and flexible
- Simple and easy mounting



TECHNICAL DATA	1 0.7/2.9	2 0.8/3.7 (RG59)	3 1.6/7.3	4 2x0.7/2.9
Jacket, diameter:	PVC, white, 4.6 mm	PVC, white, 5.6 mm	PE, black, 10.3 mm	PVC, white, 9 x 4.6 mm
Inner conductors:	1 x 0.65 mm (AWG22)	1 x 0.8 mm (AWG20)	1 x 1.6 mm (AWG14)	2 x 0.65 mm (AWG22)
Copper strands per conductor:	Solid copper	Solid copper	Solid copper	Solid copper
Conductor insulation:	Foam/Skin-PE 2.9 mm	Foam/Skin-PE 3.6 mm	Foam/Skin-PE 7.3 mm	Foam/Skin-PE 2.9 mm
Shielding:	AL foil + Cu mesh, tinned + 2nd AL foil	AL foil + Cu mesh, tinned + 2nd AL foil	AL foil + Cu mesh, tinned + 2nd AL foil	AL foil + Cu mesh, tinned
Shielding factor:	100%	100%	100%	100%
Bending radius, min.:	45 mm	50 mm	100 mm	30 mm
Temperature range:	-25°C...+70°C	-25°C...+70°C	-25°C...+70°C	-25°C...+70°C
Fire load per m:	0.12 kWh	0.16 kWh	0.70 kWh	0.29 kWh
Weight per 1 m:	30 g	41 g	101 g	58 g
Packaging:	100 m/500 m reel	100 m/500 m reel	100 m/500 m reel	100 m/500 m reel
Matching plug:	HI-FM07	HI-FM07, FMC-3.7, BNC0.8/3.7HD, BNC0.8/3.7-6G	BNC1.6/7.3FEH, BNC1.6/7.3HD, BNC1.6/7.3-6G	HI-FM07
ELECTRICAL DATA				
Surge impedance:	75 Ω ±3%	75 Ω ±3%	75 Ω ±3%	75 Ω ±3%
Capac. cond./shield. per 1 m:	55 pF	55 pF	55 pF	55 pF
Screening attenuation:	30 – 1000 MHz: >100 dB 1000 – 3000 MHz: > 95 dB	30 – 1000 MHz: >115 dB 1000 – 2000 MHz: >110 dB 2000 – 3000 MHz: >100 dB	30 – 1000 MHz: >100 dB 1000 – 3000 MHz: > 95 dB	30 – 3000 MHz: 90 dB
Attenuation per 100 m (20 °C) Video:	100 MHz: 8.8 dB 200 MHz: 15.1 dB 300 MHz: 16.5 dB 450 MHz: 21.2 dB 800 MHz: 28.0 dB 1000 MHz: 31.0 dB 1350 MHz: 36.9 dB 1750 MHz: 42.5 dB 2250 MHz: 48.7 dB 2400 MHz: 51.9 dB 2500 MHz: 53.6 dB	7.2 dB 11.8 dB 13.9 dB 17.8 dB 25.7 dB 28.7 dB 33.2 dB 38.6 dB 45.3 dB – 48.8 dB	4.1 dB 6.9 dB – 9.6 dB 12.6 dB 14.8 dB 18.3 dB 21.1 dB 23.9 dB 27.1 dB –	8.8 dB 15.1 dB 16.5 dB 21.2 dB 28.0 dB 31.0 dB 36.9 dB 42.5 dB 48.7 dB 51.9 dB 53.6 dB

ORDER NO.

601-0930

601-0950*

601-0991P

601-0940

x00180

*Duplex version 601-0960 see webshop

– Price lookup via QR code or search number at shop.sommecable.com • Subject to change • The General Terms and conditions apply (see www.sommecable.com) –



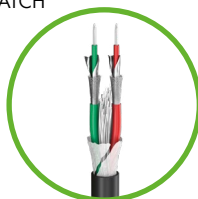


VIDEO CABLE 0.3L/1.8

75 Ω, MINIATURE VIDEO CABLE, PATCH

SC-MONOMAX CINEMA-SV

STUDIO INSTALL
 ANALOG S/P-DIF OFC



CINEMA-SV

Small but mighty ...

because on the whole the **SC-MONOMAX** is basically a single lead as it can be found in the **TRANSIT MINI FLEX** multicore video cable (see following pages). It has the dense shielding (copper braid 95%) and the same flexible litz construction which makes it the perfect patch cable (e.g. for control cabinet construction). It is equipped with standard 75 ohms BNC0.3/1.8 BNC connectors. It is available in the RGBHV colors (red, green, blue, white, and black). The maximum transmission length for this patch cable is approx. 30 – 50 meters (98 – 164 ft.), depending on the application. Also available as a flexible twin version **CINEMA-SV** – protected by a robust PVC overall jacket plus double shielding (mesh and AL compound foil) per wire.

FREE SAMPLES AVAILABLE!

More sectional drawings see website.

APPLICATIONS:

- As flexible video cable for control cabinet construction
- For the unbalanced internal wiring
- Video and monitor cable for connecting high-quality components (CINEMA-SV)

PRODUCT ADVANTAGES:

- Excellent shielding, low attenuation values
- Reliable and high-class transmission
- Compact design, easy and safe installation

Ø mm
2.7

Shielding
95%

Ø Conductor
0.32

TECHNICAL DATA	SC-MONOMAX	CINEMA-SV
Construction:	02YSCY0.3L/1.8	2 x (02YSCY0.3L/1.8)Y
Jacket, diameter:	Antistatic-PVC 2.7 mm	PVC 7.5 mm
Inner conductors:	0.08 mm ² (AWG28) ± Ø 0.32 mm	2 x 0.08 mm ² (AWG28) ± Ø 2 x 0.32 mm
Copper strands per conductor:	7 x 0.12 mm	7 x 0.12 mm
Conductor insulation:	Foam/Skin-PE 1.6 mm	Foam/Skin-PE 1.6 mm
Shielding:	Copper braiding tin-plated	Copper braiding tin-plated + AL compound foil
Shielding factor:	95 %	100%
Temperature range:	-25 °C...+70 °C	-15 °C...+70 °C
Fire load per m:	0.27 kWh	0.36 kWh
Weight per 1 m:	11 g	68 g
Packaging:	100 m spool	200 m spool
Matching plug:	BNC0.3/1.8, NBTC75BLI4	BNC0.3/1.8, NBTC75BLI5, HI-SVCM02

ELECTRICAL DATA

Surge impedance:	75 Ω ± 3 %	75 Ω ± 3 %
Capac. cond./shield. per 1 m:	56 pF	64 pF
Attenuation per 100 m (20°C):	5 MHz: 4.3 dB	5 MHz: 4.3 dB
	10 MHz: 6.2 dB	10 MHz: 5.8 dB
	50 MHz: 15.0 dB	50 MHz: 16.6 dB
	100 MHz: 21.5 dB	100 MHz: 22.5 dB
	1485 MHz: 94.5 dB	1485 MHz: 92.3 dB
	3000 MHz: 148.0 dB	3000 MHz: 146.5 dB
Return loss:	bei 1–100 MHz: > 20 dB	

COLOR

■ red	ORDER NO. 600-0253-01	ORDER NO.
■ green	600-0254-01	
■ blue	600-0252-01	
■ black	600-0251-01	600-0701
□ white	600-0250-01	



x00074



VIDEO CABLE 0.3L/1.8

75 Ω, MINIATURE RGB-MULTICORE, HIGHLY FLEXIBLE

TRANSIT MINI FLEX

STAGE MOBILE STUDIO INSTALL
 ANALOG OFC

Like silk and satin ...

that's how the outer jacket of the **TRANSIT MINI FLEX** feels in your hands. This is achieved through the use of a special jacket mixture made of an extremely cold-resistant material. It makes the cable highly flexible and sturdy. Each wire is shielded by a dense cross braiding. Both the strand wires and the screen are tinned and very easy to work with. Wire colors according to RGB: red, green, blue, black, and white. Connected in 2-wire mode, the MINI FLEX 3 can also serve as an S-VHS cable.

FREE SAMPLES AVAILABLE!

More sectional drawings see website.

APPLICATIONS:

- Flexible video and monitor cable for professional demands
- Mobile applications with high bending cycles and for inconspicuous fixed installations

PRODUCT ADVANTAGES:

- Highly flexible, easy to reel and cold-resistant due to fine single strand wires and a special jacket mixture, compact
- Excellent shielding, low attenuation
- Very dependable, crush-resistant and durable due to the rayon filler and tight stranding

Ø mm
8.2

Shielding
95%

Ø Conductor
3x0.32

Ø mm
9.6

Shielding
95%

Ø Conductor
5x0.32

TECHNICAL DATA	3-WIRE	5-WIRE
Construction:	3x(02YSCY0.3L/1.8)Y	5x(02YSCY0.3L/1.8)Y
Jacket, diameter:	Antistatic-PVC 8.2 mm	Antistatic-PVC 9.6 mm
Inner conductors:	3 x 0.08 mm ² (AWG28) ± Ø 3 x 0.32 mm	5 x 0.08 mm ² (AWG28) ± Ø 5 x 0.32 mm
Copper strands per conductor:	7 x 0.12 mm	7 x 0.12 mm
Conductor insulation:	Foam/skin-PE 1.6 mm	Foam/skin-PE 1.6 mm
Shielding:	Copper braiding tin-plated	Copper braiding tin-plated
Shielding factor:	95%	95%
Temperature range:	-20°C...+70°C	-20°C...+70°C
Fire load per m:	0.27 kWh	0.37 kWh
Weight per 1 m:	78 g	110 g
Packaging:	per m	per m
Matching plug:	BNC0.3/1.8, NBTC75BLI4	BNC0.3/1.8, NBTC75BLI4

ELECTRICAL DATA

Surge impedance:	75 Ω ± 3 %	75 Ω ± 3 %
Capac. cond./shield. per 1 m:	56 pF	56 pF
Attenuation per 100 m (20°C):	5 MHz: 4.3 dB	5 MHz: 4.3 dB
	10 MHz: 6.2 dB	10 MHz: 6.2 dB
	50 MHz: 15.0 dB	50 MHz: 15.0 dB
	100 MHz: 21.5 dB	100 MHz: 21.5 dB
	1485 MHz: 94.5 dB	1485 MHz: 94.5 dB
	3000 MHz: 148.0 dB	3000 MHz: 148.0 dB
Return loss:	bei 1–100 MHz: > 20 dB	bei 1–100 MHz: > 20 dB

COLOR

■ black, 3-wire	ORDER NO. 600-0251-03
■ black, 5-wire	600-0251-05



x00076

VIDEO CABLE 0.4/1.9 [HD/UHD]

75 Ω, COMPACT, PATCH

SC-MONOMAX HD

⊗ STUDIO ⊗ INSTALL

ANALOG DIGITAL CPR OFC HD/UHD

The slimming mania ...

has seized our new **SC-MONOMAX HD 0.41/1.9!** With only 3.6 mm in diameter this HD-SDI cable is perfect for almost invisible connections and super compact patching, e.g. in control cabinets where every square millimeter counts. By contrast, using the double thickness HD-SDI standard sizes 0.8/3.7, things can get very cramped with multi-bundles. On the other hand, thinner size 0.3/1.8 video lines are too fragile against kinks, bends and also more susceptible of heat accumulation which will badly afflict the cable insulation over time and can also impair the transmission quality.

The **SC-MONOMAX HD 0.41/1.9** has a gas-injected insulation to ensure low attenuation values and a robust outer jacket which will keep up these excellent electrical properties also in the long run.

FREE SAMPLES AVAILABLE!

More sectional drawings see website.



APPLICATIONS:

- Flexible HD-SDI video cable for the control cabinet construction
- For all kinds of unbalanced internal wirings
- For compact cable connections in the video and home cinema sector

Ø mm
3.6

Shielding
100%

PRODUCT ADVANTAGES:

- Low attenuation due to skin-gas-skin injected insulation
- Excellent shielding by the combination of a Cu mesh plus foil screen
- Tightest tolerances for the surge impedance (±3 %)
- Compact design due to small outer diameter
- Robust and durable cable construction despite miniature design

Ø Wire
0.41

TECHNICAL DATA

Construction:	02YS(ST)CY0.4/1.9
Jacket, diameter:	PVC 3.6 mm
CPR euroclass:	Eca
Inner conductor:	Solid Cu wire 0.41mm (AWG26)
Conductor insulation:	Gas injected PE 1.9 mm
Shielding:	Cu mesh, tinned + AL/PT foil
Shielding factor:	100 %
Temperature range:	-30 °C ... +70 °C
Fire load per m:	0.06 kWh
Max. Transmission length:*	67 m (SMPTE 425M, 3G), 47 m (SMPTE 2081, 6G), 33 m (SMPTE 2082, 12G)
Weight per 1 m:	14.2 g
Packaging, P.U.:	100 m/328 ft. reel
Matching plug:	BNC0.4/1.9, NBTC75BNS4

ELECTRICAL DATA

Surge impedance:	75 Ω
Capac. cond./shield. per 1 m:	53 pF
Conductor resistance per 1 km:	320 Ω
Shielding efficiency:	> 95 dB
Shield. resistance per 1 km:	26 Ω
Velocity factor:	0.85
Attenuation per 100 m (20 °C):	50 MHz: 11.4 dB 200 MHz: 22.1 dB 470 MHz: 32.9 dB 862 MHz: 44.8 dB 1000 MHz: 48.8 dB 1485 MHz: 58.9 dB 1750 MHz: 63.5 dB 2150 MHz: 70.9 dB 3000 MHz: 84.7 dB

COLOR

■ black

ORDER NO.

600-0041C NEW



x01665

VIDEO CABLE 0.6/2.8 [HD/UHD]

75 Ω, PVC, HALOGEN-FREE AND FLAME-RETARDANT (FRNC)

SC-SLIMLINE (RCB)

⊗ INSTALL ⊗ ELA

ANALOG DIGITAL FRNC HALOGEN-FREE OFC HD/UHD

Looking for the superstar ...

among the video and satellite cables? The **SC-SLIMLINE (RCB)** meets all requirements put on high-quality HD-SDI/HDTV cables these days and, owing to the use of high-grade materials, promises a long service life. To achieve super low attenuation values, we have fitted the cable with a massive OFC (oxygen-free copper) wire, a gas-injected insulation and a dual screen (copper braiding + AL/PT foil).

FREE SAMPLES AVAILABLE!

More sectional drawings see website.



APPLICATIONS:

- HD-SDI video transmission in the professional broadcasting/studio sector
- OB van technology
- Permanent installation, HF technology and antenna construction

Ø mm
4.2

Shielding
100%

PRODUCT ADVANTAGES:

- Super long life due to aging-resistant jacket
- Constant, optimized electrical values due to the use of a massive
- OFC conductor
- Gas-injected insulation for excellent attenuation values

Ø Wire
0.60

TECHNICAL DATA

Construction:	02YS(ST)CH0.6/2.8 HD-SDI
Construction:	accord. to EN50117
Jacket, diameter:	PVC/FRNC 4.2 mm
Inner conductors:	Copper-solid wire 1 x 0.60 mm (AWG23)
Conductor insulation:	Gas Injected-PE 2.8 mm
Shielding:	Copper braiding tin-plated + AL/PT-foil
Shielding factor:	100 %
Temperature range:	-30 °C... +70 °C
Fire load per m:	0.06 kWh
Max. Transmission length:*	96 m (SMPTE 425M, 3G), 66 m (SMPTE 2081, 6G), 44 m (SMPTE 2082, 12G)
Weight per 1 m:	22 g
Packaging, P.U.:	100 m/500 m/1000 m spool
Matching plug:	1-6051-2100-1, NBNC75BFG7X, BNC0.6/2.8, ...T, ...HD

ELECTRICAL DATA

Surge impedance:	75 Ω ±1%
Capac. cond./shield. per 1 m:	53.0 pF
Shielding efficiency:	> 90 dB
Shield. resistance per 1 km:	17 Ω
D.C. resistance per km:	Inner conductor 60.5 Ω
Max. delay (skew):	4 ns @100 MHz (per 100 m)
Velocity factor:	0.82
Attenuation per 100 m (20 °C):	50 MHz: 7.3 dB 200 MHz: 14.5 dB 470 MHz: 22.7 dB 862 MHz: 31.1 dB 1000 MHz: 33.6 dB 1485 MHz: 41.2 dB 1750 MHz: 45.2 dB 2150 MHz: 50.9 dB 3000 MHz: 60.0 dB 6000 MHz: 90.4 dB

COLOR

- black, PVC
- green, PVC
- orange, PVC
- violet, PVC
- ★ black, FRNC

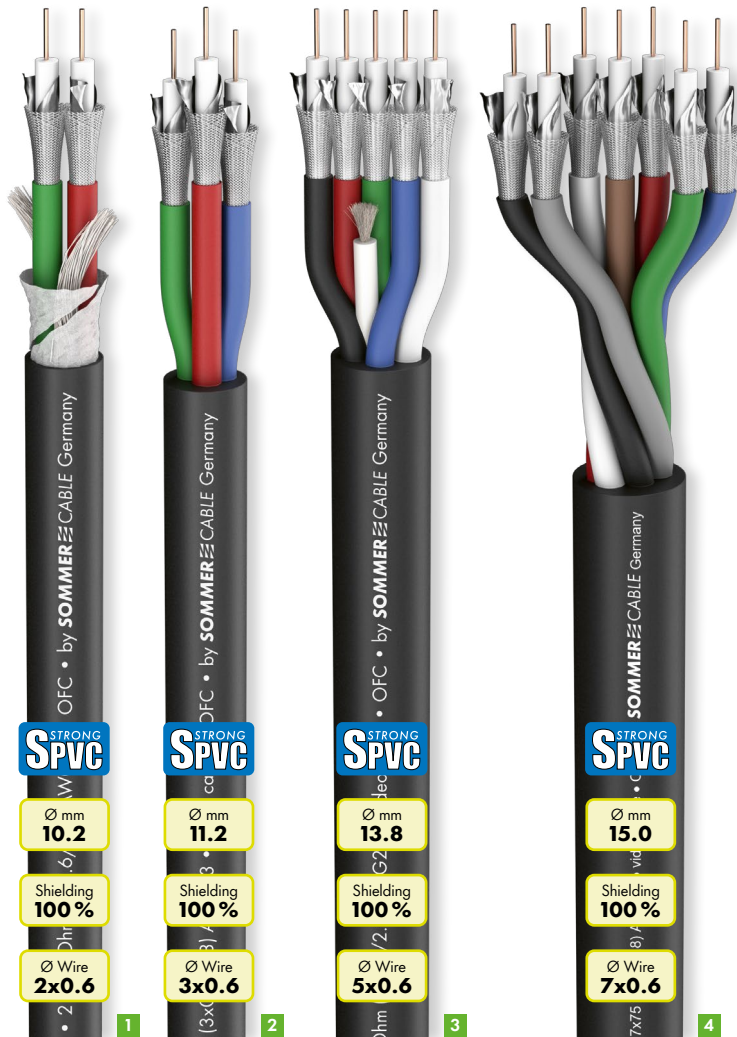
ORDER NO.

- 600-0851 NEW**
- 600-0854**
- 600-0855**
- 600-0858**
- 600-0851F**



x00077

* Data depends on transmitter and receiver. Detailed table at www.sommercable.com → Service → Techn. Info



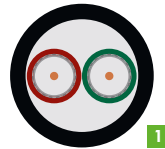
VIDEO CABLE 0.6/2.8 [HD/UHD]

75 Ω, RGBHV MULTICORE, HIGHLY FLEXIBLE

TRANSIT 2/3/5/7 HD

MOBILE STUDIO INSTALL ELA

ANALOG DIGITAL FRNC HALOGEN-FREE HD/UHD OFC



Sectional drawings 1

For everyone needing a long line ...

our **TRANSIT** cable is just right. Its construction is basically the same as for our multi-coaxial **TRANSIT MINI** and **TRANSIT MINI FLEX** cables, the **TRANSIT** however is recommended for extreme lengths exceeding 40 m/130 ft. But it is also preferred for short distances in professional video studios where it guarantees an image which is totally devoid of shadows and flickering.

The **TRANSIT** impresses with its high flexibility, extended functionality and dual shielding (copper braiding + AL/PT foil) of the single wires. For outdoor version 7 x coax, see **TRANSIT MOBILE** on the following pages.

FREE SAMPLE AVAILABLE!

More sectional drawings see website.

APPLICATIONS:

- Fixed installation over long distances
- (theaters, sporting arenas, media and congress centers)
- Multi-coax cable reel

PRODUCT ADVANTAGES:

- Dependable and very high-quality image transmission over long distances
- Very good attenuation and transmission values even with excessive lengths
- Highly flexible due to special jacket compound and tight wire stranding
- Easy to reel (PVC version)

TECHNICAL DATA

	1 TRANSIT 2 HD	2 TRANSIT 3 HD	3 TRANSIT 5 HD	4 TRANSIT 7 HD
Construction:	2x2YS(ST)CY0.6/2.8	3x2YS(ST)CY0.6/2.8	5x2YS(ST)CY0.6/2.8	7x2YS(ST)CY0.6/2.8
Jacket, diameter:	PVC/FRNC 10.2 mm	PVC 11.2 mm	PVC 13.8 mm	PVC 15.0 mm
Inner conductors:	2 x 0.60 mm (AWG23)	3 x 0.60 mm (AWG23)	5 x 0.60 mm (AWG23)	7 x 0.60 mm (AWG23)
Conductor insulation:	Gas-Injected Foam/Skin-PE 2.8 mm			
Shielding:	Copper braiding tin-plated 90% + AL/PT-foil			
Shielding factor:	100 %			
Shielding factor (PVC):	0.72 kWh	0.84 kWh	1.14 kWh	1.54 kWh
Shielding factor (FRNC):	0.51 kWh	-	-	-
Max. transmission length.*	81 m (SMPTE 425M, 3G), 54 m (SMPTE 2081, 6G), 37 m (SMPTE 2082, 12G)			
Weight per 1 m (PVC):	116 g	150 g	215 g	270 g
Weight per 1 m (FRNC):	100 g	-	-	-
Jacket color:	■ black	■ black	■ black	■ black
Packaging:	per m	per m	per m	per m
Matching plug:	BNC0.6/2.8, NBNC75BFG7X, BNC0.6/2.8HDTV-T, BNC0.6/2.8HD			

ELECTRICAL DATA

	1	2	3	4
Surge impedance:	75 Ω ±1%	75 Ω ±1%	75 Ω ±1%	75 Ω ±1%
Capac. cond./shield. per 1 m:	55 pF	55 pF	55 pF	55 pF
Attenuation per 100 m (20°C):	50 MHz: 7.3 dB 200 MHz: 14.5 dB 470 MHz: 22.7 dB 862 MHz: 31.1 dB 1000 MHz: 33.6 dB 1485 MHz: 41.2 dB 1750 MHz: 45.2 dB 2150 MHz: 50.9 dB 3000 MHz: 59.9 dB	50 MHz: 7.3 dB 200 MHz: 14.7 dB 470 MHz: 22.7 dB 862 MHz: 31.1 dB 1000 MHz: 33.6 dB 1485 MHz: 41.2 dB 1750 MHz: 45.2 dB 2150 MHz: 50.9 dB 3000 MHz: 59.9 dB	50 MHz: 7.3 dB 200 MHz: 14.7 dB 470 MHz: 22.7 dB 862 MHz: 31.1 dB 1000 MHz: 33.6 dB 1485 MHz: 41.2 dB 1750 MHz: 45.2 dB 2150 MHz: 50.9 dB 3000 MHz: 59.9 dB	50 MHz: 7.3 dB 200 MHz: 14.7 dB 470 MHz: 22.7 dB 862 MHz: 31.1 dB 1000 MHz: 33.6 dB 1485 MHz: 41.2 dB 1750 MHz: 45.2 dB 2150 MHz: 50.9 dB 3000 MHz: 59.9 dB

ORDER NO. PVC

600-0851-02

600-0851-03

600-0851-05

600-0851-07

ORDER NO. FRNC

600-0851-02F



x00078

*) Specifications depend on transmitter and receiver. For a detailed table visit www.sommercable.com → Service → Techn. Info

- Price lookup via QR code or search number at shop.sommercable.com • Subject to change • The General Terms and conditions apply (see www.sommercable.com) -



VIDEO CABLE, MULTI-COAXIAL 7-FOLD

75 Ω WITH PUR JACKET, HALOGEN-FREE+FLAME-RETARDANT

TRANSIT MOBILE PUR

MOBILE
 STUDIO
 INSTALL
 ELA
 ANALOG
 FRNC
 HALOGEN-FREE
 PUR
 OFC

When your lips become chapped ...

it's freezing cold outside. The same thing goes for a standard PVC jacket. For such extreme conditions you'll need a video cable with a tough and cold-resistant PUR jacket that will not stiffen or develop cracks in low temperatures. Jacket material single wire: TPC-ET.

The **TRANSIT MOBILE** is reelable and resists even the most adverse weather conditions. It offers excellent attenuation values and has dense braided shielding with 95% coverage. Wires 6 and 7 can be used as auxiliary lines for large-screen S-video projectors.

FREE SAMPLE AVAILABLE!

Sectional drawing see website.

APPLICATIONS:

- Transmission of RGB video signals in mobile applications
- Fixed installation
- Supply cable for large-screen projectors

PRODUCT ADVANTAGES:

- Very good attenuation values
- Durable and cold-resistant PUR jacket
- Dirt-resistant jacket
- Easy to reel

Ø mm

15.3

Shielding
95%

Ø Conductor
7x0.66



VIDEO INTERCONNECT CABLE

75 Ω, RGB PATCH CABLE, SPLITABLE

SC-ALTERA SPLIT HIGHFLEX

STUDIO
 INSTALL
 HIFI
 ANALOG
 S/P-DIF

All for one and one for all ...

said the 3 Musketeers and went into battle side by side. Our **SC-ALTERA SPLIT** also has three 75 Ω video lines side by side comprising a video component cable engineered to higher standards. Video component cables are generally fitted with RCA connectors and used for connecting signal sources (DVD players, home cinema systems) and monitors (video projectors, flatscreen TV or the like). The three joined lines are easy to separate. This is very practical if you want to determine the splice length yourself. We selected the single wire gauge so that the RCA connector has a perfect "grip". The wires are color-coded according to the common RGB assignment: Y = green U [Cb/Pb] = red V [Cr/Pr] = blue

This cable is suitable for both analog and digital applications and is also available ready-made with affixed connectors.

FREE SAMPLE AVAILABLE!

Sectional drawing see website.

APPLICATIONS:

- Highly flexible cable for connecting projectors, flatscreen TV, etc.
- High-quality connection of hi-fi components (DVD, home cinema receiver)

PRODUCT ADVANTAGES:

- Highly flexible, easy to split
- Excellent shielding due to dense braiding and AL/PT foil
- Very dependable, tread-resistant and durable due to thick PVC jacket
- Easy to work with due to RGB color coding and jacketed single wires
- Suitable for analog and digital applications

Ø mm

18.0x6.2

Shielding
100%

Ø Conductor
3x0.66

TECHNICAL DATA

Construction:	(..xLI2YSC12Y0.34 mm ²)Y PUR
Jacket, diameter:	PUR 15.3 mm
Inner conductors:	7 x 0.34 mm ² (AWG22) \triangleq Ø 7 x 0.66 mm
Copper strands per conductor:	7 x 0.25 mm
Conductor insulation:	Foam/skin-PE 3.2 mm
Shielding:	Copper braided shield
Shielding factor:	95 %
Temperature range:	-30 °C...+ 70 °C
Fire load per m:	1.82 kWh
Weight per 1 m:	215 g
Packaging:	per m
Matching plug:	BNC0.66/3.2, NBNC75BIJ9

ELECTRICAL DATA

Surge impedance:	75 Ω ±1%												
Capac. cond./shield. per 1 m:	53 pF												
Cond. resistance per 1 km:	50 Ω												
Velocity factor:	0.82												
Attenuation per 100 m (20 °C):	<table border="1"> <tr> <td>5 MHz:</td> <td>1.9 dB</td> <td>50 MHz:</td> <td>7.7 dB</td> </tr> <tr> <td>100 MHz:</td> <td>9.4 dB</td> <td>200 MHz:</td> <td>12.7 dB</td> </tr> <tr> <td>470 MHz:</td> <td>21.1 dB</td> <td>862 MHz:</td> <td>31.5 dB</td> </tr> </table>	5 MHz:	1.9 dB	50 MHz:	7.7 dB	100 MHz:	9.4 dB	200 MHz:	12.7 dB	470 MHz:	21.1 dB	862 MHz:	31.5 dB
5 MHz:	1.9 dB	50 MHz:	7.7 dB										
100 MHz:	9.4 dB	200 MHz:	12.7 dB										
470 MHz:	21.1 dB	862 MHz:	31.5 dB										

COLOR

■ grey (charcoal), 7 x coax

ORDER NO.

600-0646-07



☎ x00084

TECHNICAL DATA

Construction:	3xHF75 0.6/3.7
Jacket, diameter:	PVC 18.0 x 6.2 mm
Inner conductors:	3 x 0.34 mm ² (AWG22) \triangleq 3 x Ø 0.66 mm
Copper strands per conductor:	17 x 0.16 mm
Conductor insulation:	PE 3.7 mm
Shielding:	Copper braiding 90 % + AL/PT-foil
Shielding factor:	100 %
Temperature range:	-25 °C...+70 °C
Fire load per m:	0.57 kWh
Weight per 1 m:	130 g
Packaging:	100 m spool
Matching plug:	BNC59, HI-CM06, NBNC75BLP7

ELECTRICAL DATA

Surge impedance:	75 Ω ±1%										
Capac. cond./shield. per 1 m:	56 pF										
Attenuation per 100 m (20 °C):	<table border="1"> <tr> <td>5 MHz:</td> <td>2.6 dB</td> </tr> <tr> <td>50 MHz:</td> <td>7.0 dB</td> </tr> <tr> <td>100 MHz:</td> <td>8.8 dB</td> </tr> <tr> <td>470 MHz:</td> <td>21.4 dB</td> </tr> <tr> <td>862 MHz:</td> <td>33.1 dB</td> </tr> </table>	5 MHz:	2.6 dB	50 MHz:	7.0 dB	100 MHz:	8.8 dB	470 MHz:	21.4 dB	862 MHz:	33.1 dB
5 MHz:	2.6 dB										
50 MHz:	7.0 dB										
100 MHz:	8.8 dB										
470 MHz:	21.4 dB										
862 MHz:	33.1 dB										

COLOR

■ blue
■ blue, without imprint

ORDER NO.

600-0712

600-0712NE NEW



☎ x00082

VIDEO CABLE 0.6/3.7

75 Ω

SC-FOCUSLINE L HIGHFLEX

MOBILE
 STUDIO
 INSTALL
 ELA
 ANALOG
 CPR
 S/P-DIF
 OFC



That's it exactly ...

± 1%. Because the exact number of Ohms matters! A lack of precision is the enemy of video transmission. This cable is used in video technology and is suitable for mobile applications as well as fixed installations. The green jacket color indicates a wave impedance of 75 Ω with a ± 1% tolerance as required by broadcasting stations.

Unlike other video cables the **SC-FOCUSLINE** is fitted with a soft, yet very durable jacket and a tightly stranded oxygen-free copper mesh.

It is suitable for installation in both dry and damp rooms

S/P-DIF COMPATIBLE!

FREE SAMPLES AVAILABLE!.

Ø mm
6.2

Shielding
92%

Ø Conductor
0.53

APPLICATIONS:

- Image processing in video technology
- Cabling of viewing and surveillance monitors
- Permanent installation in the broadcasting and television sectors
- Data transmission
- HF technology

PRODUCT ADVANTAGES:

- Precise wave impedance of 75 Ω
- Flexible and robust outer jacket
- Available in green and black

TECHNICAL DATA

Construction:	02YS(ST)CH0.6/3.7
Jacket, diameter:	PVC 6.2 mm
CPR euro class:	Eca
Inner conductors:	1 x 0.22 mm ² (AWG24) \triangleq Ø 0.53 mm
Copper strands per conductor:	7 x 0.20 mm
Conductor insulation:	PE 3.7 mm
Shielding:	Copper braiding
Shielding factor:	92 %
Temperature range:	-20 °C...+70 °C
Fire load per m:	0.23 kWh
Weight per 1 m:	44 g
Packaging:	100/1000 m spool
Matching plug:	BNC0.6/3.7, NBNC75BLP7

ELECTRICAL DATA

Surge impedance:	75 Ω ±1%
Capac. cond./shield. per 1 m:	67 pF
Cond. resistance per 1 km:	150 Ω
Shield. resistance per 1 km:	13 Ω
Velocity factor:	0.66
Attenuation per 100 m (20°C):	5 MHz: 2.5 dB 50 MHz: 6.2 dB 100 MHz: 10.2 dB 200 MHz: 13.1 dB

COLOR

- black, strand, Eca
- green, strand, Eca

ORDER NO.

600-0051L **NEW**
600-0054L **NEW**



VIDEO CABLE 0.6/3.7

75 Ω, BROADCAST

SC-FOCUSLINE MS HIGHFLEX

MOBILE
 STUDIO
 INSTALL
 ELA
 ANALOG
 S/P-DIF
 FRNC
 HALOGEN-FREE
 OFC



That's it exactly ...

± 1%. Because the exact number of Ohms matters!

A lack of precision is the enemy of video transmission. This cable is used in video technology and is suitable for mobile applications as well as fixed installations.

Unlike common video cables the **SC-FOCUSLINE** is fitted with a soft, yet very durable jacket and a tightly stranded oxygen-free copper mesh.

Solid-wire version with 100% shielding (cross braiding + metallized fleece).

S/P-DIF COMPATIBLE!

FREE SAMPLES AVAILABLE!

Ø mm
6.2

Shielding
100%

Ø Wire
0.60

APPLICATIONS:

- Image processing in video technology
- Cabling of viewing and surveillance monitors
- Permanent installation in the broadcasting and television sectors
- Data transmission
- HF technology

PRODUCT ADVANTAGES:

- Precise wave impedance of 75 Ω
- Flexible and robust outer jacket
- Digitally capable

TECHNICAL DATA

Construction:	02YS(ST)CH0.6/3.7
Jacket, diameter:	FR-PVC 6.2 mm
Inner conductors:	Copper-solid wire1 x 0.60 mm (AWG23)
Conductor insulation:	PE 3.7 mm
Shielding:	Copper braiding tin-plated + metallic fleece
Shielding factor:	100 %
Temperature range:	-30 °C ... +70 °C
Fire load per m:	0.23 kWh
Weight per 1 m:	44 g
Packaging:	100/1000 m spool
Matching plug:	BNC0.6/3.7, NBNC75BLP7

ELECTRICAL DATA

Surge impedance:	75 Ω ±1%
Capac. cond./shield. per 1 m:	67 pF
Cond. resistance per 1 km:	63.5 Ω
Shield. resistance per 1 km:	13 Ω
Velocity factor:	0.66
Attenuation per 100 m (20°C):	5 MHz: 2.2 dB 50 MHz: 7.3 dB 200 MHz: 15.4 dB 470 MHz: 24.5 dB 862 MHz: 33.7 dB 1000 MHz: 37.2 dB

COLOR

- black, 100% shielding

ORDER NO.

600-0051MS



VIDEO, INSTRUMENT CABLE 0.6L/3.7 TRANSVERSELY WATERTIGHT [HD/UHD]

75 Ω, SALTWATER-RESISTANT, HALOGEN-FREE

SC-AQUA MARINEX VIDEO 0.6L/3.7

- STAGE
- MOBILE
- INSTALL
- ELA

- ANALOG
- S/P-DIF
- AQUA
- HALOGEN-FREE
- PUR
- HD/UHD



Sectional drawings

Expensive hobbies do not necessarily require ...

an expensive cable. This cable was initially developed for installation in shipbuilding. The **AQUA MARINEX video cable** is frequently used for installations on speedboats or ships to connect audio components or video surveillance monitors.

The 0.6L/3.7 / AWG23 (0.024") cable is small in diameter and has an insulation of solid PE, which makes it suitable for permanent underwater use and tolerant of high water pressure.

Owing to its asymmetrical construction the **AQUA MARINEX** can also be used as an instrument lead or audio-frequency phono cable, as can be seen more and more often, e.g. on luxury motorboats, speedboats or yachts. These virtually indestructible cables have a black UV-resistant outer jacket, which can be painted over using standard paint without negatively affecting the cable's functionality or finish.

FREE SAMPLES AVAILABLE!



Ø mm
6.4

Shielding
90%

Ø Conductor
0.60

APPLICATIONS:

- Video cable for permanent installation in shipbuilding, tunnel construction or in sports arenas
- Flexible video cable for the camera supply line on dive sessions
- High-quality phono/audio line for audio signal transmission

PRODUCT ADVANTAGES:

- Solid outer jacket and robust inner structure (PE insulation)
- Reelable
- Cost-efficient underwater variant
- Useable in great water depths of 50 m/160 feet
- Cold-flexible

TECHNICAL DATA

Jacket, diameter:	PUR-SR 6.4 mm
Inner conductors:	0.22 mm ² \triangle Ø 0.6 mm (AWG23)
Copper strands per conductor:	7 x 0.20 mm
Conductor insulation:	PO 3.3 mm
Shielding:	Copper braiding + special protective banding
Shielding factor:	90%
Temperature range:	-40°C...+80°C
Max. water pressure/depth:	5 bars/50 m
Fire load per m:	0.30 kWh
Max. transmission length:*	83 m (SMPTE 425M, 3G), 62 m (SMPTE 2081, 6G), 42 m (SMPTE 2082, 12G)
Weight per 1 m:	51 g
Packaging:	per m
Matching plug:	BNC59, BNC0.6/3.7, NBNC75BLP7

ELECTRICAL DATA

Surge impedance:	75 Ω ± 3 %
Capac. cond./shield. per 1 m:	70 pF
Cond. resistance per 1 km:	89 Ω
Shield. resistance per 1 km:	12.5 Ω
Velocity factor:	0.66
Attenuation per 100 ft. (20°C / 68°F):	100 MHz: 11.2 dB 200 MHz: 16.1 dB 500 MHz: 24.9 dB 800 MHz: 34.8 dB 1.000 MHz: 39.4 dB



COLOR
■ black, PUR-SR, RG59

ORDER NO.
600-0241AQ

■ x00081

VIDEO CABLE 0.75L/3.4 PUR

75 Ω, OUTDOOR, HALOGEN-FREE, COLD FLEXIBLE

SC-FOCUSLINE PUR

- MOBILE
- STUDIO
- INSTALL
- ELA

- ANALOG
- S/P-DIF
- HALOGEN-FREE
- PUR
- OFC



Sectional drawings

Pure enjoyment ...

even if it's 20 below outside, that won't stop you from recording with this PUR video cable, which is primarily used for outdoor video technology and suitable both for mobile applications and fixed installation. Unlike standard video cables, the **SC-FOCUSLINE PUR** has a very rugged, cold-resistant PUR jacket and oxygen-free copper braiding.

S/P-DIF COMPATIBLE!

FREE SAMPLES AVAILABLE!



Ø mm
5.8

Shielding
75%

Ø Conductor
0.67

APPLICATIONS:

- Image processing in video technology
- Cabling of viewing and surveillance monitors
- Permanent installation in the broadcasting and television sectors
- Data transmission for mobile outdoor applications

PRODUCT ADVANTAGES:

- Exact wave impedance of 75 Ω
- Cold-resistant and robust PUR outer jacket
- Reelable cable for mobile outdoor use

TECHNICAL DATA

Construction:	02YS(ST)CH0.75/3.4
Jacket, diameter:	PUR 5.8 mm
Inner conductors:	1 x 0.35 mm ² (AWG22) \triangle Ø 0.67 mm
Copper strands per conductor:	7 x 0.254 mm
Conductor insulation:	Foam/skin-PE 3.4 mm
Shielding:	Copper braiding
Shielding factor:	75%
Temperature range:	-30°C...+80°C
Weight per 1 m:	30 g
Packaging:	100 m spool
Matching plug:	BNC0.8/3.7HD, BNC0.8/3.7-6G, 1-2457-2100-1

ELECTRICAL DATA

Surge impedance:	75 Ω ± 3%
Capac. cond./shield. per 1 m:	55 pF
Cond. resistance per 1 km:	< 53 Ω
Shield. resistance per 1 km:	25.4 Ω
Velocity factor:	0.80
Attenuation per 100 m (20°C):	50 MHz: 7.5 dB 100 MHz: 9.9 dB 200 MHz: 14.9 dB 470 MHz: 21.6 dB 862 MHz: 31.8 dB 1000 MHz: 35.8 dB 1485 MHz: 43.6 dB 1750 MHz: 50.7 dB 2150 MHz: 57.1 dB 3000 MHz: 67.0 dB



COLOR
★ black, PUR

ORDER NO.
600-0071L

■ x00083

* Data depends on transmitter and receiver. Detailed table at www.sommercable.com → Service → Techn. Info

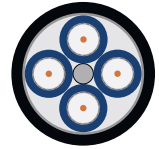


VIDEO CABLE 0.8/3.7 [HD/UHD]

75 Ω, LONG-DISTANCE

SC-VECTOR (RCB) 1X/2X/4X 0.8/3.7 UHD

MOBILE
 STUDIO
 INSTALL
 ELA
 ANALOG
 DIGITAL
 CPR
 FRNC
 HALOGEN-FREE
 OFC
 HD/UHD



Sectional drawing multi coax

As swift as an arrow ...

is the data transmission of the **SC-VECTOR (RGB)** with its 1.5 Gbit/s rate which also guarantees a low return loss.

Of course, the **SC-VECTOR (RGB)** can also serve as a high-quality SDI video line for studio or OB van applications. With its dual shielding and outstanding attenuation values it offers numerous benefits compared to simple video cables. In comparison to a 0.6/3.7 / AWG23 video cable it allows up to 30 % longer transmission distances.

The **SC-VECTOR (RGB)** is used in OB vans, digital TV, at sporting events, live shows or other large events.

FREE SAMPLE AVAILABLE!

Sectional drawing see website.

APPLICATIONS:

- Digital SDI/HD-SDI/3G-SDI long distance transmission
- Video transmission for OB van technology

PRODUCT ADVANTAGES:

- Low attenuation values for long distances
- Robust and durable outer sleeve

TECHNICAL DATA

Construction:	...x02YS(ST)CH0,8/3,7 HD-SDI	
Jacket, diameter:	PVC:	1 x coax: 6 mm
		2 x coax: 15 mm
		4 x coax: 17 mm
	FRNC:	1 x coax: 6 mm
Inner conductors:	Copper-solid wire Ø 0.80 mm (AWG20)	
Conductor insulation:	Gas injected PE 3,7 mm	
Shielding:	AL/PT-foil + Copper braiding tin-plated 85%	
Shielding factor:	100 %	
Temperature range:	-10 °C ... +80 °C	
Fire load per m:	1 x coax:	0.16 kWh
	2 x coax:	0.9 kWh
	4 x coax:	1.5 kWh
Max. Transmission length:*	1 x coax:	121 m (SMPTE 425M, 3G), 82 m (SMPTE 2081, 6G), 51 m (SMPTE 2082, 12G)
	multi-coax:	109 m (SMPTE 425M, 3G), 74 m (SMPTE 2081, 6G), 46 m (SMPTE 2082, 12G)
Weight per 1 m:	PVC:	1 x Koax: 40 g
		2 x Koax: 230 g
		4 x Koax: 320 g
	FRNC:	1 x Koax: 40 g
Packaging:	1 x coax: 100 m spool multi-coax: per m	
Matching plug:	BNC0.8/3.7HD, BNC0.8/3.7-6G, NBNC75BLP9X, 1-6052-2100-1	

ELECTRICAL DATA

Surge impedance (at 200 MHz):	75 Ω		
Capac. cond./shield. per 1 m:	52.9 pF		
Cond. resistance per 1 km:	< 37 Ω		
Screening attenuation:	> 95 dB		
Shield. resistance per 1 km:	20 Ω		
Max. delay (skew):	4 ns @ 100 MHz		
Velocity factor:	0.82		
Attenuation per 100 m (20°C):		1 x coax	multi coax
	200 MHz:	11.2 dB	11.8 dB
	470 MHz:	17.0 dB	18.1 dB
	862 MHz:	24.0 dB	26.0 dB
	1000 MHz:	26.4 dB	28.3 dB
	1485 MHz:	32.8 dB	35.8 dB
	1750 MHz:	35.9 dB	39.4 dB
	2150 MHz:	40.1 dB	44.0 dB
	3000 MHz:	47.9 dB	53.0 dB
S.R.L Frequency (Return loss):	30+300 MHz:	>30 dB	-
	300+600 MHz:	>25 dB	-
	600+900 MHz:	>20 dB	-

COLOR

■ black, PVC, 1 x coax 0.8/3.7

■ blue, PVC, 1 x coax 0.8/3.7

■ red, PVC, 1 x coax 0.8/3.7

■ green, PVC, 1 x coax 0.8/3.7

■ blue, PVC, 2 x coax 0.8/3.7

■ black, PVC, 4 x coax 0.8/3.7

■ blue, PVC, 4 x coax 0.8/3.7

★ blue, FRNC/Dca 1 x coax 0.8/3.7

ORDER NO.

600-0161

600-0162

600-0163 **NEW**

600-0164

600-0162-02

600-0161-04 **NEW**

600-0162-04

600-0162FC **NEW**



✉ x00085

*) Data depends on transmitter and receiver. Detailed table at www.sommercable.com → Service → Techn. Info

VIDEO CABLE 1.0/4.8 [HD/UHD]

75 Ω, PVC, HALOGEN-FREE + FLAME-RETARDANT (FRNC)

SC-RG CLASSIC BROADCAST 1.0/4.8 UHD
 INSTALL ELA

 ANALOG DIGITAL CPR FRNC HALOGEN-FREE OFC HD/UHD
Suited for short and long distance flights ...

this is our **RG classic broadcast 1.0/4.8 / AWG18 (0.039")**. It meets all the requirements placed on today's high-quality HD-SDI/HDTV cables, and the use of high-end materials promises a long service life. To achieve ultra-low attenuation values we have equipped the cable with a solid wire oxygen-free copper (OFC), a gas-injected insulation and dual screening (copper braiding + AL/PT foil).

Please note the transmission distances for HD-SDI transfer stated in the technical data below. Of course, with analog video far greater transmission distances are possible.

FREE SAMPLE AVAILABLE!

Sectional drawing see website.

APPLICATIONS:

- HD-SDI video transmission in the professional broadcasting/studio sector
- OB van technology
- HF technology and antenna construction
- Permanent installation

PRODUCT ADVANTAGES:

- Great durability due to age-resistant jacket
- Consistent, optimized electrical values due to the use of a solid 18-gauge oxygen-free-copper conductor
- Gas-injected insulation for best attenuation values



Ø mm
7.1

Shielding
100 %

Ø Wire
0.60

TECHNICAL DATA

Construction:	02YS(ST)CH1.0/4.8 HD-SDI
Construction:	according to EN50117
Jacket, diameter:	PVC/FRNC 7.1 mm
Inner conductors:	Copper-solid wire 1 x 1.0 mm (AWG18)
Conductor insulation:	Gas Injected-PE 4.8 mm
Shielding:	Copper braiding tin-plated + AL/PT-foil
Shielding factor:	100 %
Temperature range:	-30 °C... +70 °C
Fire load per m:	0.21 kWh
Max. Transmission length:*	162 m (SMPTE 425M, 3G), 113 m (SMPTE 2081, 6G), 77 m (SMPTE 2082, 12G)
Weight per 1 m:	64 g
Packaging:	100 m/500 m/1000 m spool
Matching plug:	NBNC75BUU11, NBNC75BTU11X, BNC1.0/4.6HDTV-T

ELECTRICAL DATA

Surge impedance:	75 Ω ± 1 %																								
Capac. cond./shield. per 1 m:	53 pF																								
Screening attenuation:	> 95 dB																								
Shield. resistance per 1 km:	7 Ω																								
D.C. resistance per km:	Inner cond. 22 Ω																								
Max. Delay (skew):	4 ns @100 MHz (per 100 m)																								
Velocity factor:	0.82																								
Attenuation per 100 m (20 °C):	<table border="1"> <tr> <td>50 MHz:</td> <td>4.5 dB</td> <td>200 MHz:</td> <td>8.9 dB</td> </tr> <tr> <td>470 MHz:</td> <td>13.9 dB</td> <td>862 MHz:</td> <td>18.5 dB</td> </tr> <tr> <td>1000 MHz:</td> <td>20.0 dB</td> <td>1485 MHz:</td> <td>24.5 dB</td> </tr> <tr> <td>1750 MHz:</td> <td>26.6 dB</td> <td>2150 MHz:</td> <td>30.0 dB</td> </tr> <tr> <td>3000 MHz:</td> <td>35.4 dB</td> <td>6000 MHz:</td> <td>52.0 dB</td> </tr> <tr> <td>9000 MHz:</td> <td>65.5 dB</td> <td>12000 MHz:</td> <td>77.4 dB</td> </tr> </table>	50 MHz:	4.5 dB	200 MHz:	8.9 dB	470 MHz:	13.9 dB	862 MHz:	18.5 dB	1000 MHz:	20.0 dB	1485 MHz:	24.5 dB	1750 MHz:	26.6 dB	2150 MHz:	30.0 dB	3000 MHz:	35.4 dB	6000 MHz:	52.0 dB	9000 MHz:	65.5 dB	12000 MHz:	77.4 dB
50 MHz:	4.5 dB	200 MHz:	8.9 dB																						
470 MHz:	13.9 dB	862 MHz:	18.5 dB																						
1000 MHz:	20.0 dB	1485 MHz:	24.5 dB																						
1750 MHz:	26.6 dB	2150 MHz:	30.0 dB																						
3000 MHz:	35.4 dB	6000 MHz:	52.0 dB																						
9000 MHz:	65.5 dB	12000 MHz:	77.4 dB																						

COLOR

■ green, PVC

★ green, FRNC/Dca

ORDER NO.**600-0144****600-0144FC NEW**

x00086

VIDEO, INSTRUMENT CABLE 1.2L/4.8 TRANSVERSELY WATERTIGHT [HD/UHD]

75 Ω, SALTWATER-RESISTANT, HALOGEN-FREE

SC-AQUA MARINEX VIDEO 1.2L/4.8 UHD
 STAGE MOBILE INSTALL ELA

 ANALOG DIGITAL AQUA HALOGEN-FREE PUR HD/UHD
Deep sea signal security ...

Loss-free video signal transmission underwater is not only a challenge for the deep-sea diver, but for the cable as well. The 1.2L/4.8 / AWG18 (0.042") version is the HD-SDI variant of the **AQUA MARINEX** 0.6L/3.7 / AWG23 (0.024"), but with a gas-injected insulation and double shielding, for high-resolution Full HD picture formats and greater transmission distances. It is designed for permanent use in a maximum water depth of 50 m/160 ft., where it easily handles all kinds of attacks from small aquatic life and excessive water pressure.

Due to its asymmetrical construction the **AQUA MARINEX** may also be used as an instrument or audio-frequency phono cable. It has a black UV-resistant outer jacket, which can be readily overpainted with standard paint without affecting functionality nor finish.

FREE SAMPLE AVAILABLE!

Sectional drawing see website.

APPLICATIONS:

- HD-SDI video cable for permanent installation in shipbuilding, tunnel construction or sporting arenas
- Flexible HD-SDI video cable as camera supply line during dive sessions
- High-quality phono/audio line for audio signal transmissions
- High-resolution picture transmission, e.g. for use in sediment technology

PRODUCT ADVANTAGES:

- Solid outer jacket and double copper braided shielding
- Reelable and high number of bending cycles
- Useable in water depths of 160 feet
- Special HD-PUR jacket maintains pliancy in cold conditions
- Uncompromising quality mechanically and electrically
- Useable with common BNC connectors



Ø mm
7.4

Shielding
90 %

Ø Conductor
1.06

TECHNICAL DATA

Jacket, diameter:	PUR-SR 7.4 mm
Inner conductors:	0.88 mm ² Δ Ø 1.06 mm (AWG18)
Copper strands per conductor:	7 x 0.40 mm
Conductor insulation:	PO 4.8 mm
Shielding:	2 x Copper braiding + special protective banding
Shielding factor:	90 %
Temperature range:	-40 °C...+80 °C
Max. water pressure/depth:	5 bars/50 m
Fire load per m:	0.38 kWh
Max. Transmission length:*	141 m (SMPTE 425M, 3G), 96 m (SMPTE 2081, 6G), 62 m (SMPTE 2082, 12G)
Weight per 1 m:	81 g
Packaging:	per m
Matching plug:	BNC1.2/5.0HD, 1-4575-2100-1

ELECTRICAL DATA

Surge impedance:	75 Ω ± 3 %																
Capac. cond./shield. per 1 m:	52 pF																
Cond. resistance per 1 km:	23 Ω																
Shield. resistance per 1 km:	4.95 Ω																
Velocity factor:	0.78																
Attenuation per 100 m (20 °C):	<table border="1"> <tr> <td>200 MHz:</td> <td>9.3 dB</td> <td>1482 MHz:</td> <td>28.1 dB</td> </tr> <tr> <td>470 MHz:</td> <td>14.2 dB</td> <td>1750 MHz:</td> <td>30.3 dB</td> </tr> <tr> <td>862 MHz:</td> <td>21.0 dB</td> <td>2150 MHz:</td> <td>34.0 dB</td> </tr> <tr> <td>1000 MHz:</td> <td>23.0 dB</td> <td>3000 MHz:</td> <td>41.6 dB</td> </tr> </table>	200 MHz:	9.3 dB	1482 MHz:	28.1 dB	470 MHz:	14.2 dB	1750 MHz:	30.3 dB	862 MHz:	21.0 dB	2150 MHz:	34.0 dB	1000 MHz:	23.0 dB	3000 MHz:	41.6 dB
200 MHz:	9.3 dB	1482 MHz:	28.1 dB														
470 MHz:	14.2 dB	1750 MHz:	30.3 dB														
862 MHz:	21.0 dB	2150 MHz:	34.0 dB														
1000 MHz:	23.0 dB	3000 MHz:	41.6 dB														

COLOR

■ black, PUR-SR, HD-SDI

ORDER NO.**605-0241AQ**

x00087

*) Data depends on transmitter and receiver. Detailed table at www.sommercable.com → Service → Techn. Info

- Price lookup via QR code or search number at shop.sommercable.com • Subject to change • The General Terms and conditions apply (see www.sommercable.com) -

VIDEO CABLE 1.2L/4.8DZ [HD/UHD]

75 Ω, HD-SDI CABLE WITH DOUBLE COPPER SHIELDING

SC-VECTOR PLUS 1.2L/4.8DZ UHD

MOBILE STUDIO INSTALL ELA
 ANALOG DIGITAL FRNC PUR HALOGEN-FREE
 OFC HD/UHD

New and improved ...

Originally designed in the U.S., this rugged and reliable video and satellite cable originally had solid PE insulation, and yet the cable was not robust enough, and so we improved it. The new **SC-VECTOR PLUS 1.2L/4.8DZ / AWG18 (0.042")** is SDI/HD-SDI capable and reelable and thus may be used as a flexible video line! It has a foamed insulation with a protective lacquer, a 7 x 0.40 mm/AWG26 strand construction, two overlaying copper braidings each with 90 % coverage and a weather-proof and abrasion-proof PMB jacket. The copper braidings also make the cable extremely crush-resistant and offer protection against rodents.

FREE SAMPLE AVAILABLE!
Sectional drawing see website.

APPLICATIONS:

- Dual shielded cable for digital SAT systems and professional video technology
- Professional UHD-SDI applications
- Highly flexible and easy to reel

PRODUCT ADVANTAGES:

- Excellent transmission quality due to foam insulation
- Steadily consistent values
- UV-resistant and abrasion-proof PUR jacket, gnaw-resistant

VIDEO CABLE 7 1.2L/4.8DZ [HD/UHD]

75 Ω, XG-SDI MULTIPLE CABLE WITH 2 X BRAIDED SCREEN

SC-VECTOR PLUS 1.2L/4.8DZ UHD

MOBILE STUDIO INSTALL ELA
 ANALOG DIGITAL PUR OFC HD/UHD

**HD/UHD in a superflex version ...**

The SC-VECTOR PLUS 1.2L/4.8DZ / AWG18 (0.042") from **SOMMER CABLE** is eminently suited for daily mobile use on a reel. The PUR-MASTER-BLEND jacket is very flexible and still extremely robust. This reliably maintains inner mechanical stability and ensures constant HD transmission quality. Each HD-SDI conductor has a strand-wire compound structure and is surrounded by a gas-injected PE insulation (incl. protective lacquer skin) which guarantees optimum attenuation properties. The flexible screen construction is provided by a tight, braided double copper mesh. The Multi-DZ is the ideal cable for all live transmissions – be they indoor or outdoor.

FREE SAMPLE AVAILABLE!
Sectional drawing see website.

APPLICATIONS:

- Double-shielded cable for digital picture transmissions and professional video technology
- For professional broadcasting applications
- Highly flexible and easy to reel

PRODUCT ADVANTAGES:

- Excellent transmission quality due to foam insulation
- Constant specs in continuous operation
- UV-resistant and abrasion-proof PUR jacket, gnaw-resistant



TECHNICAL DATA	1.2/4.8
Construction:	1x02YSCCH1.2L/4.8
Jacket, diameter:	PUR 7.1 mm
Inner conductors:	1 x 0.88 mm ² Δ Δ Δ 1.06 mm (AWG18)
Copper strands per conductor:	7 x 0.40 mm
Conductor insulation, diameter:	Foam/skin-PE 4.8 mm
Shielding:	2 x Copper braiding tin-plated
Shielding factor:	100 %
Temperature range:	-30 °C...+80 °C
Max. Transmission length:*	145 m (SMPTE 425M, 3G), 96 m (SMPTE 2081, 6G), 62 m (SMPTE 2082, 12G)
Weight per 1 m:	68 g
Packaging:	100 m spool / per m
Matching plug:	BNCl.2/5.0HD, BNCl.2/5.0-6G, 1-7090-2100-1, NBNC75BWU13, NBNC75BXU13X

ELECTRICAL DATA

Surge impedance:	75 Ω \pm 2%																								
Capac. cond./shield. per 1 m:	53 pF																								
Cond. resistance per 1 km:	20 Ω																								
Shield. resistance per 1 km:	5.6 Ω																								
D.C. resistance per km:	Inner conductors 21 Ω																								
Velocity factor:	0.86																								
Attenuation per 100 m (20 °C):	<table border="1"> <tbody> <tr> <td>200 MHz:</td> <td>9.4 dB</td> <td>470 MHz:</td> <td>14.7 dB</td> </tr> <tr> <td>862 MHz:</td> <td>20.4 dB</td> <td>1000 MHz:</td> <td>21.9 dB</td> </tr> <tr> <td>1485 MHz:</td> <td>27.2 dB</td> <td>1750 MHz:</td> <td>29.9 dB</td> </tr> <tr> <td>2150 MHz:</td> <td>33.5 dB</td> <td>3000 MHz:</td> <td>41.5 dB</td> </tr> <tr> <td>6000 MHz:</td> <td>64,8 dB</td> <td>9000 MHz:</td> <td>83,7 dB</td> </tr> <tr> <td>12000 MHz:</td> <td>100,9 dB</td> <td></td> <td></td> </tr> </tbody> </table>	200 MHz:	9.4 dB	470 MHz:	14.7 dB	862 MHz:	20.4 dB	1000 MHz:	21.9 dB	1485 MHz:	27.2 dB	1750 MHz:	29.9 dB	2150 MHz:	33.5 dB	3000 MHz:	41.5 dB	6000 MHz:	64,8 dB	9000 MHz:	83,7 dB	12000 MHz:	100,9 dB		
200 MHz:	9.4 dB	470 MHz:	14.7 dB																						
862 MHz:	20.4 dB	1000 MHz:	21.9 dB																						
1485 MHz:	27.2 dB	1750 MHz:	29.9 dB																						
2150 MHz:	33.5 dB	3000 MHz:	41.5 dB																						
6000 MHz:	64,8 dB	9000 MHz:	83,7 dB																						
12000 MHz:	100,9 dB																								

COLOR

■ green, **SOFT PUR FRNC**
■ black, **SOFT PUR FRNC**

ORDER NO.

600-0214
600-0211



x00089

TECHNICAL DATA	1.2/4.8
Construction:	x02YSCCH1.2L/4.8
Jacket, diameter:	PMB, 21.8 mm/28.5 mm
Inner conductors:	7 x 0.88 mm ² Δ Δ Δ 1.06 mm (AWG18)
Copper strands per conductor:	7 x 0.40 mm
Conductor insulation, diameter:	Foam/skin-PE 4.8 mm
Shielding:	2 x Copper braiding tin-plated
Shielding factor:	100 %
Temperature range:	-30 °C...+80 °C
Max. Transmission length:*	130 m (SMPTE 425M, 3G), 86 m (SMPTE 2081, 6G), 56 m (SMPTE 2082, 12G)
Weight per 1 m:	520 g/990 g
Packaging:	100 m spool / per m
Matching plug:	BNCl.2/5.0HD, BNCl.2/5.0-6G, 1-7090-2100-1, NBNC75BWU13, NBNC75BXU13X

ELECTRICAL DATA

Surge impedance:	75 Ω \pm 2%																
Capac. cond./shield. per 1 m:	53 pF																
Cond. resistance per 1 km:	20 Ω																
Shield. resistance per 1 km:	5.6 Ω																
D.C. resistance per km:	Inner conductors 21 Ω																
Velocity factor:	0.86																
Attenuation per 100 m (20 °C):	<table border="1"> <tbody> <tr> <td>200 MHz:</td> <td>10.8 dB</td> <td>470 MHz:</td> <td>16.9 dB</td> </tr> <tr> <td>862 MHz:</td> <td>23.4 dB</td> <td>1000 MHz:</td> <td>25.1 dB</td> </tr> <tr> <td>1485 MHz:</td> <td>31.2 dB</td> <td>1750 MHz:</td> <td>34.3 dB</td> </tr> <tr> <td>2150 MHz:</td> <td>38.5 dB</td> <td>3000 MHz:</td> <td>46.8 dB</td> </tr> </tbody> </table>	200 MHz:	10.8 dB	470 MHz:	16.9 dB	862 MHz:	23.4 dB	1000 MHz:	25.1 dB	1485 MHz:	31.2 dB	1750 MHz:	34.3 dB	2150 MHz:	38.5 dB	3000 MHz:	46.8 dB
200 MHz:	10.8 dB	470 MHz:	16.9 dB														
862 MHz:	23.4 dB	1000 MHz:	25.1 dB														
1485 MHz:	31.2 dB	1750 MHz:	34.3 dB														
2150 MHz:	38.5 dB	3000 MHz:	46.8 dB														

COLOR

■ green, **PMB**, 4 x coax
■ green, **PMB**, 7 x coax

ORDER NO.

600-0214-04
600-0214-07



x00090

*) Data depends on transmitter and receiver. Detailed table at www.sommercable.com → Service → Techn. Info

– Price lookup via QR code or search number at shop.sommercable.com • Subject to change • The General Terms and conditions apply (see www.sommercable.com) –

VIDEO CABLE 1.2L/5.0 [HD/UHD]

75 Ω, LONG-DISTANCE WITH PVC OR FRNC JACKET

SC-VECTOR PLUS 1.2L/5.0 UHD

- MOBILE STUDIO INSTALL ELA
- ANALOG DIGITAL CPR FRNC HALOGEN-FREE
- OFC HD/UHD

All the way to the horizon ...

and then some more is how far you can lay the **SC-VECTOR PLUS 1.2/5.0** / AWG18 (0.042"), because with its special dimensions and construction it has been designed for long distance HD-SDI applications. The **SC-VECTOR PLUS 1.2/5.0** / AWG18 (0.042") has an excellent shielding (100 %) made of tinned copper braiding plus AL/PT foil. The cable is very flexible and also suitable for mobile use on a cable reel. It is available in a single coax or a 5 x coax version with a PVC and FRNC jacket (according to test type C, IEC60332.3c). With HD-SDI the transmission range depends on the bitrate used (compressed or uncompressed). At 1.485 Gbit/s (uncompressed) the attenuation value is drawn on at half the bitrate (720 MHz). The achievable cable length at a attenuation value < 30 dB is considered as a relevant parameter.

FREE SAMPLE AVAILABLE!
Sectional drawing see website.

APPLICATIONS:

- Digital HD/SDI long-distance transmission, 3G in duplex mode
- Cabling for sporting events and big TV events; OB van technology

PRODUCT ADVANTAGES:

- Superb attenuation values for long distances
- Robust and durable outer jacket, reelable





Ø mm **6.95**

Shielding **100%**

Ø Conductor **1.06**

TECHNICAL DATA	1.2/5.0
Construction:	xx02YS(ST)CH1.2/5.0
Jacket, diameter:	6.95 mm
Jacket material:	Standard in PVC; halogen-free FRNC accord. to Test Type C
Inner conductors:	1 x 0.88 mm ² (AWG18) Δ Ø 1.06 mm
Copper strands per conductor:	7 x 0.40 mm
Conductor insulation:	Foam/skin-PE 5.0 mm
Shielding:	AL/PT-foil + copper braiding 80% tin-plated
Shielding factor:	100%
Temperature range:	-10°C...+80°C
Max. Transmission length:*	162 m (SMPTE 425M, 3G), 111 m (SMPTE 2081, 6G), 78 m (SMPTE 2082, 12G)
Fire load per m:	0.20 kWh
Weight per 1 m:	55 g
Packaging:	per m
Matching plug:	BNCl.2/5.0HD, BNCl.2/5.0-6G, NBNC75BWU13, 1-7090-2100-1

ELECTRICAL DATA																									
Surge impedance (per 200 MHz):	75 Ω ±2%																								
Capac. cond./shield. per 1 m:	52 pF																								
Cond./Shield. resistance per 1 km:	< 21 Ω (Conductor) / 11 Ω (Shield)																								
Velocity factor:	0.80																								
Attenuation per 100 m (20°C):	<table border="0" style="width: 100%;"> <tr> <td>200 MHz:</td> <td>8.6 dB</td> <td>470 MHz:</td> <td>13.4 dB</td> </tr> <tr> <td>862 MHz:</td> <td>18.2 dB</td> <td>1.000 MHz:</td> <td>19.9 dB</td> </tr> <tr> <td>1.485 MHz:</td> <td>24.5 dB</td> <td>1.750 MHz:</td> <td>26.7 dB</td> </tr> <tr> <td>2.150 MHz:</td> <td>29.9 dB</td> <td>3.000 MHz:</td> <td>35.9 dB</td> </tr> <tr> <td>6.000 MHz:</td> <td>51.5 dB</td> <td>9.000 MHz:</td> <td>63.5 dB</td> </tr> <tr> <td>12.000 MHz:</td> <td>73.5 dB</td> <td></td> <td></td> </tr> </table>	200 MHz:	8.6 dB	470 MHz:	13.4 dB	862 MHz:	18.2 dB	1.000 MHz:	19.9 dB	1.485 MHz:	24.5 dB	1.750 MHz:	26.7 dB	2.150 MHz:	29.9 dB	3.000 MHz:	35.9 dB	6.000 MHz:	51.5 dB	9.000 MHz:	63.5 dB	12.000 MHz:	73.5 dB		
200 MHz:	8.6 dB	470 MHz:	13.4 dB																						
862 MHz:	18.2 dB	1.000 MHz:	19.9 dB																						
1.485 MHz:	24.5 dB	1.750 MHz:	26.7 dB																						
2.150 MHz:	29.9 dB	3.000 MHz:	35.9 dB																						
6.000 MHz:	51.5 dB	9.000 MHz:	63.5 dB																						
12.000 MHz:	73.5 dB																								
S.R.L Frequency/:	30+300 MHz: >23 dB 600+900 MHz: >15 dB																								
(Return loss)	300+600 MHz: >20 dB																								

COLOR	ORDER NO.
■ green, PVC	600-0174
★ green, FRNC/Dca	600-0174FC NEW
■ green, FRNC/Cca	600-0274FC NEW



VIDEO CABLE 5X1.2L/5.0 [HD/UHD]

75 Ω, LONG-DISTANCE 5-FOLD WITH PVC OR FRNC JACKET

SC-VECTOR PLUS 5X1.2L/5.0 UHD

- MOBILE STUDIO INSTALL ELA
- ANALOG DIGITAL FRNC HALOGEN-FREE OFC
- HD/UHD

Several football fields ...

that's the distance our multi-coax **SC-VECTOR PLUS** can cover hands-down for the transmission of HD-SDI signals (SMPTE 259M), due to its large wire cross-section of 0.88 mm². In addition, a double screen of a tinned CU mesh plus AL/PT foil provides a 100 % optical coverage and optimum attenuation values (6.5 dB at 100 m and 100 MHz). This design guarantees a shadow- and flicker-free picture. Our customers love to use the cable for fixed installations in sports arenas, theaters, media & congress centers or studios. Also available with a black overall outer jacket.

FREE SAMPLE AVAILABLE!
Sectional drawing see website.

APPLICATIONS:

- Digital HD/SDI long-distance transmission, 3G in duplex mode
- Cabling for sporting events and big TV events; OB van technology

PRODUCT ADVANTAGES:

- Superb attenuation values for long distances
- Robust and durable outer jacket, reelable





Ø mm **22.1**

Shielding **100%**

Ø Conductor **1.06**

TECHNICAL DATA	5 X 1.2/5.0
Construction:	5x02YS(ST)...
Jacket, diameter:	22.1 mm
Jacket material:	Standard in PVC self-extinguishing; halogen-free FRNC accord. to Test Type C
Inner conductors:	5 x 0.88 mm ² (AWG18) Δ Ø 1.06 mm
Copper strands per conductor:	7 x 0.40 mm
Conductor insulation:	Foam/skin-PE 5.0 mm
Shielding:	AL/PT-foil + copper braiding 80% tin-plated
Shielding factor:	100%
Temperature range:	-10°C...+80°C
Max. Transmission length:*	146 m (SMPTE 425M, 3G), 100 m (SMPTE 2081, 6G), 70 m (SMPTE 2082, 12G)
Fire load per m:	2.1 kWh
Weight per 1 m:	510 g
Packaging:	per m
Matching plug:	BNCl.2/5.0HD, BNCl.2/5.0-6G, NBNC75BWU13, 1-7090-2100-1

ELECTRICAL DATA																	
Surge impedance (per 200 MHz):	75 Ω ±2%																
Capac. cond./shield. per 1 m:	52 pF																
Cond./Shield. resistance per 1 km:	< 21 Ω (Conductor) / 11 Ω (Shield)																
Velocity factor:	0.80																
Attenuation per 100 m (20°C):	<table border="0" style="width: 100%;"> <tr> <td>200 MHz:</td> <td>9.9 dB</td> <td>470 MHz:</td> <td>15.4 dB</td> </tr> <tr> <td>862 MHz:</td> <td>20.9 dB</td> <td>1.000 MHz:</td> <td>22.8 dB</td> </tr> <tr> <td>1.485 MHz:</td> <td>28.0 dB</td> <td>1.750 MHz:</td> <td>30.5 dB</td> </tr> <tr> <td>2.150 MHz:</td> <td>34.3 dB</td> <td>3.000 MHz:</td> <td>41.5 dB</td> </tr> </table>	200 MHz:	9.9 dB	470 MHz:	15.4 dB	862 MHz:	20.9 dB	1.000 MHz:	22.8 dB	1.485 MHz:	28.0 dB	1.750 MHz:	30.5 dB	2.150 MHz:	34.3 dB	3.000 MHz:	41.5 dB
200 MHz:	9.9 dB	470 MHz:	15.4 dB														
862 MHz:	20.9 dB	1.000 MHz:	22.8 dB														
1.485 MHz:	28.0 dB	1.750 MHz:	30.5 dB														
2.150 MHz:	34.3 dB	3.000 MHz:	41.5 dB														
S.R.L Frequency/:	30+300 MHz: >23 dB 600+900 MHz: >15 dB																
(Return loss)	300+600 MHz: >20 dB																

COLOR	ORDER NO.
■ green, PVC self-extinguishing, 5 x coax	600-0174-05
■ green, FRNC, 5 x Coax	600-0174-05F
■ black, PVC self-extinguishing, 5 x coax	600-0171-05 NEW



*) Data depends on transmitter and receiver. Detailed table at www.sommecable.com → Service → Techn. Info

BULK CABLE - VIDEO

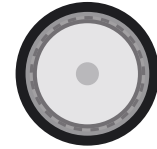
VIDEO CABLE 1.3/5.7 [HD/UHD]

75 Ω, COMPACT, PATCH

SC-VECTOR PLUS 1.3/5.7 UHD-2

MOBILE STUDIO INSTALL ELA

ANALOG DIGITAL CPR OFC HD/UHD



Sectional drawing

The eye of an eagle ...

has a resolution about 3 to 4 times higher than that of the human eye. Thus the 12G UHD-SDI transmission standard enables such high visual resolutions so that the human eye cannot distinguish them any more from the original site. Owing to its compact diameter of 8.1 mm and the optimized screen design the **SC-VECTOR PLUS 1.3/5.7** delivers extremely low attenuation values which have been known so far only from much thicker cables. For the conductor we use a silver-plated solid wire with ultra low tolerances, embedded in a gas-foamed (skin/gas/skin) insulation which is smoothed both inside and out.

The triple shielding provided by two robust, stretchable AL/PTE foils and a dense tinned copper mesh with 95 % coverage prevents interferences as well as an influence on the electrical values. These high-end parameters guarantee a perfect and error-free transmission of the following standards: SMPTE 259M (520 m/1.706 ft.), SMPTE 292M (146 m/479 ft.), SMPTE 424M (99 m/325 ft.), SMPTE 425M (199 m/653 ft.), SMPTE 2081 (136 m/446 ft.) und SMPTE 2082 (94 m/308 ft.) (up to 100 m/328 ft.). The robust outer jacket is made of a cold-flexible, durable and UV-resistant SPVC.

FREE SAMPLE AVAILABLE!

APPLICATIONS:

- Digital HD/UHD-SDI 4K long-distance transmission
- Wiring applications in the radio, broadcasting and surveillance industry, connection for stadium building and sports events in general
- Ideal broadband, antenna and video cable

PRODUCT ADVANTAGES:

- Triple shielding with 100 % coverage
- Extremely durable and temperature-resistant components (silver-plated litz wires, smoothed insulation, UV-resistant jacket)
- Super low attenuation with a small diameter

BULK CABLE - VIDEO



Ø mm
8.1

Shielding
100%

Ø Conductor
1.3

TECHNICAL DATA

Construction:	02YS(ST)C(ST)Y1.3/5.7
Jacket, diameter:	PVC 8.1 mm
CPR euroclass:	Eca
Inner conductor:	Silver-plated solid Cu wire 1.3 mm (AWG16)
Conductor insulation:	Foam/skin PE 5.7 mm
Shielding:	AL/PT foil + Cu mesh, tinned + 2nd AL/PT foil
Shielding factor:	100 %
Temperature range:	-10 °C ... +80 °C
Fire load per m:	0.22 kWh
Max. transmission length:*	199 m (SMPTE 425M, 3G), 136 m (SMPTE 2081, 6G), 94 m (SMPTE 2082, 12G)
Weight per m:	90 g
Packaging:	Sold by meter
Matching connectors:	BNC1.3/5.7-6G, NBNC75BZV14X

ELECTRICAL DATA

Surge impedance:	75 Ω																								
Capac. cond./shield, per 1 m:	53 pF																								
Conductor resistance per 1 km:	13 Ω																								
Shielding efficiency:	> 120/130 dB																								
Shielding resistance per 1 km:	6.2 Ω																								
Velocity factor:	0.84																								
Attenuation/100 m (20 °C):	<table border="1"> <tr> <td>50 MHz:</td> <td>3.5 dB</td> <td>100 MHz:</td> <td>4.8 dB</td> </tr> <tr> <td>270 MHz:</td> <td>8.0 dB</td> <td>540 MHz:</td> <td>11.5 dB</td> </tr> <tr> <td>1000 MHz:</td> <td>16.1 dB</td> <td>1485 MHz:</td> <td>20.1 dB</td> </tr> <tr> <td>2000 MHz:</td> <td>23.7 dB</td> <td>2250 MHz:</td> <td>25.3 dB</td> </tr> <tr> <td>3000 MHz:</td> <td>29.8 dB</td> <td>6000 MHz:</td> <td>42.7 dB</td> </tr> <tr> <td>12000 MHz:</td> <td>64.5 dB</td> <td></td> <td></td> </tr> </table>	50 MHz:	3.5 dB	100 MHz:	4.8 dB	270 MHz:	8.0 dB	540 MHz:	11.5 dB	1000 MHz:	16.1 dB	1485 MHz:	20.1 dB	2000 MHz:	23.7 dB	2250 MHz:	25.3 dB	3000 MHz:	29.8 dB	6000 MHz:	42.7 dB	12000 MHz:	64.5 dB		
50 MHz:	3.5 dB	100 MHz:	4.8 dB																						
270 MHz:	8.0 dB	540 MHz:	11.5 dB																						
1000 MHz:	16.1 dB	1485 MHz:	20.1 dB																						
2000 MHz:	23.7 dB	2250 MHz:	25.3 dB																						
3000 MHz:	29.8 dB	6000 MHz:	42.7 dB																						
12000 MHz:	64.5 dB																								

COLOR

- black
- black, w/o overprint

ORDER NO.

600-0131 NEW

600-0131NE NEW



x01666

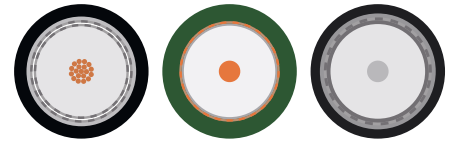
*) Data depends on transmitter and receiver. Detailed table at www.sommercable.com → Service → Techn. Info

VIDEO CABLE 1.6L/7.3 / 1.6/7.0 [HD/UHD]

75 Ω, PVC, HALOGEN-FREE + FLAME-RETARDANT (FRNC) LONG-DISTANCE

SC-VECTOR PLUS RCB UHD-2

⊗ MOBILE ⊗ INSTALL ⊗ ELA
ANALOG DIGITAL CPR FRNC HALOGEN-FREE OFC HD/UHD



Sectional drawing

Simultaneous interpreters ...

are true multitasking artists who expertly master the art of listening, translating and speaking the translated content all at once. Like them, the **SC-VECTOR PLUS RCB** cable can also multi-task. With UHD-SDI transmission, you can send a high-resolution 1080p video signal over the cable at the same time as you embed additional data such as 16 frame-synchronous digital audio channels (AES-3 according to SMPTE 272M and 299M), timecode control data and error checking packets along with it. This will save you from needing some extra audio cables or control lines. For the high 6G-SDI bandwidths (6 Gbit/s according to SMPTE 424M), our 6G-SDI cable series is the perfect means of transport. Ultra-low attenuation values below 30 dB @ 2.97 Gbit/s are provided by the large 1.6 mm OFC inner conductor with its special gas-injected skin-foam-skin insulation plus dual shielding. The solid-wire version is the perfect choice for professional media installations in TV studios and broadcasting vans, while the more reelable strand-wire version may be easier to work with on mobile assignments due to its flexibility.

FREE SAMPLE AVAILABLE!

APPLICATIONS:

- Digital UHD-SDI video transmission in the professional broadcast/OB van/studio sector, HF technology and antenna construction
- Mobile UHD-SDI transmissions
- Professional media-technical permanent installation according to 6G standard

PRODUCT ADVANTAGES:

- Long life due to non-aging jacket
- Constant optimized electrical values owing to intelligent cable design
- Gas-injected skin-foam-skin insulation for optimal attenuation values and long distances



TECHNICAL DATA

	SC-VECTOR PLUS RCB MOBILE	SC-VECTOR PLUS RCB INSTALL	SC-VECTOR PLUS RCB 4K RG11/U
Construction:	02YS(ST)CH1.6L/7.3	02YS(ST)CH1.6/7.0	02YS(ST)CY1.6/7.1
Jacket. diameter:	PVC 10.3 mm	PVC/FRNC 10.2 mm	PVC 10.1 mm
Inner conductors:	7 x 0.53 mm litz wires (AWG16) \triangle \varnothing 1.40 mm	1 x 1.60 mm solid Cu wire (AWG14)	1 x 1.63 mm solid Cu wire (AWG14)
Conductor insulation. diameter:	Skin-Foam-Skin-PE 7.3 mm	Gas Injected-PE 7.0 mm	Gas Injected-PE 7.1 mm
Shielding:	Double Cu braiding. tinned	Cu braiding + AL/PT foil	AL foil + Cu braiding. tinned + 2nd AL foil
Shielding factor:	100 %	100 %	100 %
Temperature range:	-30 °C... +80 °C	-25 °C... +80 °C	-30 °C...+75 °C
Fire load per m:	0.58 kWh	0.73 kWh	0.36 kWh
Max. Transmission length:*	198 m (SMPTE 425M. 3G). 121 m (SMPZE 2021. 6G). 72 m (SMPTE 2082. 12G)	234 m (SMPTE 425M. 3G). 156 m (SMPTE 2081. 6G). 101 m (SMPTE 2082. 12G)	252 m (SMPTE 425M. 3G). 172 m (SMPTE 2081. 6G). 116 m (SMPTE 2082. 12G)
Weight per 1 m:	140 g	120 g	130 g
Packaging:	100 m/500 m/1000 m Rolle	100 m/500 m/1000 m Rolle	100 m/500 m/1000 m Rolle
Matching plug:	BNCl.6/7.3-6G. NBLC75BVZ17	BNCl.6/7.3-6G. NBLC75BVZ17	BNCl.6/7.3-6G. NBLC75BVZ17

ELECTRICAL DATA

	SC-VECTOR PLUS RCB MOBILE	SC-VECTOR PLUS RCB INSTALL	SC-VECTOR PLUS RCB 4K RG11/U
Surge impedance:	75 Ω ± 1 %	75 Ω ± 1 %	75 Ω ± 1 %
Capac. cond./shield. per 1 m:	52.4 pF	53 pF	52.5 pF
Screening attenuation:	> 90 dB	> 90 dB	115 dB
Shield. resistance per 1 km:	10 Ω	10 Ω	5 Ω
D.C. resistance per km:	Inner conductors 8.7 Ω	Inner conductors 8.7 Ω	Inner conductors 8.3 Ω / outer conductors 5.1 Ω
Max. Delay (skew):	3.95 ns @100 MHz	3.95 ns @100 MHz	3.97 ns @100 MHz
Velocity factor:	0.82	0.8	0.85
Attenuation per 100 m (20°C):	200 MHz: 6.5 dB 470 MHz: 10.3 dB 862 MHz: 14.6 dB 1.000 MHz: 15.9 dB 1.485 MHz: 20.1 dB 1.750 MHz: 22.2 dB 2.150 MHz: 25.3 dB 3.000 MHz: 32.9 dB 6.000 MHz: 55.9 dB 9.000 MHz: 75.9 dB 12.000 MHz: 95.1 dB	200 MHz: 5.3 dB 470 MHz: 8.4 dB 862 MHz: 11.9 dB 1.000 MHz: 13.0 dB 1.485 MHz: 17.0 dB 1.750 MHz: 18.7 dB 2.150 MHz: 19.4 dB 3.000 MHz: 25.6 dB 6.000 MHz: 39.5 dB 9.000 MHz: 51.7 dB 12.000 MHz: 63.1 dB	200 MHz: 5.5 dB 470 MHz: 8.5 dB 862 MHz: 11.8 dB 1.000 MHz: 12.8 dB 1.485 MHz: 15.7 dB 1.750 MHz: 17.3 dB 2.150 MHz: 19.2 dB 3.000 MHz: 23.2 dB 6.000 MHz: 34.3 dB 9.000 MHz: 44.0 dB 12.000 MHz: 53.8 dB

COLOR

- black. PVC
- green. PVC
- ★ green. FRNC/Dca

ORDER NO.

- 600-0221**
- 600-0224**
-

ORDER NO.

-
- 600-0234**
- 600-0234FC** **NEW**

ORDER NO.

- 600-0281** **NEW**
-
-



x00092

*) Data depends on transmitter and receiver. Detailed table at www.sommercable.com → Service → Techn. Info



RG59 + CONTROL

RG59, VIDEO 75 Ω + 2 x 0.75 mm²

SC-CLASSIC CONTROL

INSTALL

ANALOG DIGITAL OFC



Sectional drawing

For the curious who like to be in control ...

we have developed this cable. It contains a high-quality RG59 video line and two additional insulated wires in one jacket.

The **Classic Control** is designed for connecting surveillance monitors, where the 2 x 0.75 mm²/AWG18 wires are used as a control line. The cable has a robust PVC jacket which is ideal for outdoor installation.

FREE SAMPLE AVAILABLE!

APPLICATIONS:

- Connection of surveillance monitors
- Studio and fixed installations

PRODUCT ADVANTAGES:

- 75 Ω cable and control line in one cable
- Very durable and rugged due to high-quality PVC jacket
- Very easy to work with and reasonably priced

Ø mm
10.5

Shielding
90%

TECHNICAL DATA

SC-CLASSIC CONTROL 2075	
Construction:	[LI02YSCI2Y0.60 mm+2(LI2Y0.75 mm ²)]Y
Jacket, diameter:	PVC 10.5 mm
Inner conductors:	1 x 0.6 mm (AWG23/1) (video) 2 x 0.75 mm ² (control)
Copper strands per cond. (video):	1 x 0.60 mm copper-solid wire
Conductor insulation:	PE 3.7 mm
Shielding (video):	Copper braiding
Shielding factor:	90 %
Temperature range:	-20 °C...+70 °C
Fire load per m:	0.30 kWh
Weight per 1 m:	122 g
Packaging:	per m
Matching plug:	BNC0.6/3.7, BNC59, NBNC75BLP7

ELECTRICAL DATA

Surge impedance (video):	75 Ω ± 3 %
Capac. cond./shield. per 1 m:	67 pF
Cond. resistance per 1 km:	150 Ω
Attenuation per 100 m (20 °C):	5 MHz: 2.5 dB
	50 MHz: 5.6 dB
	100 MHz: 7.7 dB
	200 MHz: 11.8 dB
	470 MHz: 22.3 dB
	862 MHz: 36.0 dB
	1000 MHz: 40.4 dB
	1485 MHz: 54.0 dB
	1750 MHz: 60.5 dB
	2150 MHz: 68.6 dB

COLOR

■ black

ORDER NO.

600-0481-2075



2x00096



75 Ω + POWER COMBO CABLE

VIDEO 75 Ω 0.6/2.8 + 3 x 0.75 mm²

SC-OBSERVER 1 HD

STUDIO INSTALL

ANALOG DIGITAL OFC



Sectional drawing

When cables get married ...

then it's forever! Here the video and the power lines are inseparably united in one jacket.

The **OBSERVER** consists of a high-quality 75 Ω video line, which is surrounded by a power cable with a wire cross-section of 3 x 0.75 mm²/AWG18. This construction allows it to transmit video signals and at the same time supply power to the monitor or the camera. The cable is very flexible, cold-resistant, robust and very easy to work with.

FREE SAMPLE AVAILABLE!

APPLICATIONS:

- Control of surveillance monitors
- Studio and fixed installations

PRODUCT ADVANTAGES:

- 75 Ω cable and power line in one cable
- Very durable and rugged due to high-quality PVC or PUR jacket
- Very good attenuation values of the 75 Ω video line
- Excellent shielding owing to the Combination of copper braiding plus AL/PT foil

Ø mm
9.7

Shielding
100%

TECHNICAL DATA

Construction:	LI02YSCI2Y0.60mm+3x0.75 mm ²
Jacket, diameter:	S-PVC 9.7 mm
Inner conductors (video):	1 x 0.6 mm (AWG23/1)
Copper strands per cond. (video):	1 x 0.60 mm copper-solid wire
Conductor insulation (video):	Gas injected PE 2.8 mm
Shielding (video):	Copper braiding tin-plated + AL/PT-foil
Shielding factor:	100 %
Temperature range:	-20 °C...+80 °C
Fire load per m:	0.38 kWh
Weight per 1 m:	110 g
Packaging:	per m
Matching plug:	BNC0.6/2.8-T BNC0.6/2.8HD NBNC75BFG7

ELECTRICAL DATA

Surge impedance (video):	75 Ω ± 1 %
Capac. cond./shield. per 1 m:	55 pF
Cond. resistance per 1 km:	62.2 Ω
Attenuation per 100 m (20 °C):	50 MHz: 7.3 dB
	100 MHz: 10.8 dB
	200 MHz: 14.5 dB
	470 MHz: 22.7 dB
	862 MHz: 31.1 dB
	1000 MHz: 33.6 dB
	1485 MHz: 41.2 dB
	1750 MHz: 45.5 dB
	2150 MHz: 49.5 dB

Nominal Voltage: 300 V

COLOR

■ black, video HD + 3 x 0.75 mm², PVC

ORDER NO.

600-2101



2x00097

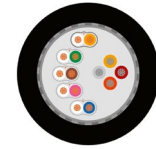


HDMI CABLE [UHD]

5 x (2 x 0.50 mm) + 1 x (2 x 0.14 mm²) + 2 x 0.14 mm²

TRANSIT HIGH SPEED HDMI WITH ETHERNET

⊗ STUDIO ⊗ INSTALL ⊗ HIFI
DIGITAL HDTV OFC



Sectional drawing

One for everything ...

the **TRANSIT HIGH SPEED HDMI WITH ETHERNET** is definitely a high-class HDMI cable for the transmission of digital image and sound data, excellent for both professional media technology and consumer electronics.

When fitted with our HICON HI-HD-M HDMI connector (assuming professional assembly) it transmits the Ultra-High Definition resolution (3840 x 2160 pixels at 30 Hz; 4096 x 2160 pixels at 40 Hz) plus Ethernet and audio return channel signals. It is suitable for "3D videos" and 4K transmissions and is downward compatible with all previous HDMI standards. Depending on the hardware or the quality of the interface respectively, greater transmission distances of up to 25 m/ 80 ft. can also be realized owing to the large cross-section. The cable has a solid triple shielding against external interference.

FREE SAMPLE AVAILABLE!

APPLICATIONS:

- Digital transmission of audio and video data using the latest HDMI standard
- Professional media technology and home entertainment
- Laying in cable conduits

PRODUCT ADVANTAGES:

- 1080p image resolution (Full HD), 2K, 4K
- Large cross-section for increased transmission distances
- Solid triple shielding against external interference
- Current standard, downward compatible with previous standards



Matching connectors:
HI-HD-M and **HI-HD-MSK**  x01524

TECHNICAL DATA

Construction:	[(5(2LI2YS0.50 mm))+(1(2LI2Y0.14 mm ²))+(LIY2x0.14 mm ²)](ST)CY
Jacket, diameter:	PVC 9.6 mm
Inner conductors:	5 x (2 x 0.50 mm (AWG24/1)) +1 x (2 x 0.14 mm ² (AWG26/7)) +2 x 0.14 mm ² (AWG26/7)
Conductor insulation:	Foam/skin-PE 1.4 mm/PE
Shielding:	cross braiding tin-plated + AL/PT-foil + drain wire
Shielding factor:	100 %
Temperature range:	0 °C...+80 °C
Weight per 1 m:	107 g
Packaging:	per m
Matching plug:	HI-HD-M, HI-HD-MSK

ELECTRICAL DATA

Surge impedance:	100 Ω
Capac. cond./cond. per 1 m:	90 pF
Cond. resistance per 1 km:	< 90 Ω
Insulat. resistance per 1 km:	> 10 MΩ
Velocity factor:	0.73
Max. Delay:	5.05 ns @ 100 MHz
Attenuation per 100 m (20°C):	50 MHz: 2.8 dB 100 MHz: 3.9 dB 200 MHz: 5.9 dB 470 MHz: 8.1 dB 862 MHz: 12.3 dB 1000 MHz: 13.7 dB
Band width at 340 MHz:	max. 18 GBit/s

COLOR
 black

ORDER NO.
612-0251



x00095

VIDEO/CAT.7/AUDIO/POWER COMBO CABLE [HD/UHD]

75 Ω LONG-DISTANCE (1.2L/4.8 DZ) + 1 x NETWORK CAT.7 (10 GBIT) (+ 2 x 0.15 mm² AUDIO) / (+ 3 x 2.5 mm² POWER)

TRANSIT MC 1001 / 2001 / 1101 / 1031 UHD

MOBILE STUDIO INSTALL

ANALOG DIGITAL OFC HD/UHD



A lot of talents ...

is what our **SC-TRANSIT MC** hybrid series can offer. It enables a great variety of different combinations of audio/video/network and power lines.

The basis of the series is the **TRANSIT MC 1001 HD** which consists of an HD-capable video and a 10 Gbit-compliant CAT line. It was especially optimized for use on a cable drum. Different from the common non-circular tube designs, the outer jacket is completely molded with a high-quality, cold-flexible S-PVC compound. The individual elements of the HD-SDI video cable and of the CAT-7 cable also have a notch-resistant PUR jacket to protect the cable interior and the injected high-quality skin/gas foaming against adverse conditions from outside.

The other versions of the series were either supplemented with a second video line (**TRANSIT 2001 MC HD**), an extra AES/EBU-compliant audio line (**TRANSIT 1101 MC HD**) or 3 x 2.5mm² for the power supply (**TRANSIT MC 1031 HD**).

FREE SAMPLE AVAILABLE!

APPLICATIONS:

- Digital HD-SDI long-distance transmission incl. digital audio network and power supply
- Ideal for OB van use, sport meetings and big events
- Installation (broadcast, studio, conference rooms, building services engineering)

PRODUCT ADVANTAGES:

- 10 Gbit compliant network and HD-SDI compliant video transmission in a single cable
- Excellent shielding
- Low attenuation values for long-distance transmissions in HD

TECHNICAL DATA

	1 TRANSIT MC 1001 HD	2 TRANSIT MC 2001 HD
Construction:	[(02YSCCHI.2L/4.8)+(S/FTP4x2xAWG23/7)]Y	[2x(02YSCCHI.2L/4.8)+(S/FTP4x2xAWG23/7)]Y
Jacket, diameter:	Total: S-PVC flame-retardant: 19.5 mm Video: PUR 7.1 mm CAT.7: PUR 8.5 mm	Total: S-PVC flame-retardant: 20.4 mm Video: PUR 7.1 mm CAT.7: PUR 8.5 mm
Inner conductors:	Video: 1 x 0.88 mm ² Δ \varnothing 1.06 mm (AWG18) CAT.7: 4 x 2 x 0.26 mm ² (AWG23/7)	Video: 2 x (1 x 0.88 mm ² Δ \varnothing 1.06 mm) (AWG18) CAT.7: 4 x 2 x 0.26 mm ² (AWG23/7)
Copper strands per conductor:	Video: 7 x 0.40 mm CAT.7: 7 x 0.22 mm	Video: 7 x 0.40 mm CAT.7: 7 x 0.22 mm
Conductor insulation:	Video: Foam/Skin-PE 4.8 mm	Video: Foam/Skin-PE 4.8 mm
Shielding:	Video: 2 x Copper braiding tinned CAT.7: Copper braiding tinned + AL/PT foil for each wire pair	Video: 2 x Cu mesh, tinned CAT.7: Cu mesh, tinned + AL/PT foil per wir pair
Shielding factor:	100 %	100 %
Temperature range:	-20 °C...+70 °C	-20 °C...+70 °C
Fire load per m:	1.52 kWh	2.16 kWh
Weight per 1 m:	210 g	455 g
Packaging:	per m	per m
Matching plug:	Video: BNC1.2/5.0-HD, NBNC75BWU13 CAT.7: RJ45C6XL, RJ45C6XLA, NE8MX6	Video: BNC1.2/5.0-HD, NBNC75BWU13 CAT.7: RJ45C6XL, RJ45C6XLA, NE8MX6

ELECTRICAL DATA

Surge impedance:	75 Ω (video)/100 Ω (CAT.7)	75 Ω (video)/100 Ω (CAT.7)
Capac. cond./cond. per 1 m:		
Capac. cond./shield. per 1 m:	53 pF (video)	53 pF (video)
Attenuation per 100 m (20 °C) video:	200 MHz: 9.4 dB 470 MHz: 14.7 dB 862 MHz: 20.4 dB 1000 MHz: 21.9 dB 1485 MHz: 27.2 dB 1750 MHz: 29.9 dB 2150 MHz: 33.5 dB 3000 MHz: 40.8 dB	200 MHz: 9.4 dB 470 MHz: 14.7 dB 862 MHz: 20.4 dB 1000 MHz: 21.9 dB 1485 MHz: 27.2 dB 1750 MHz: 29.9 dB 2150 MHz: 33.5 dB 3000 MHz: 40.8 dB

ORDER NO.

600-1001 **NEW**

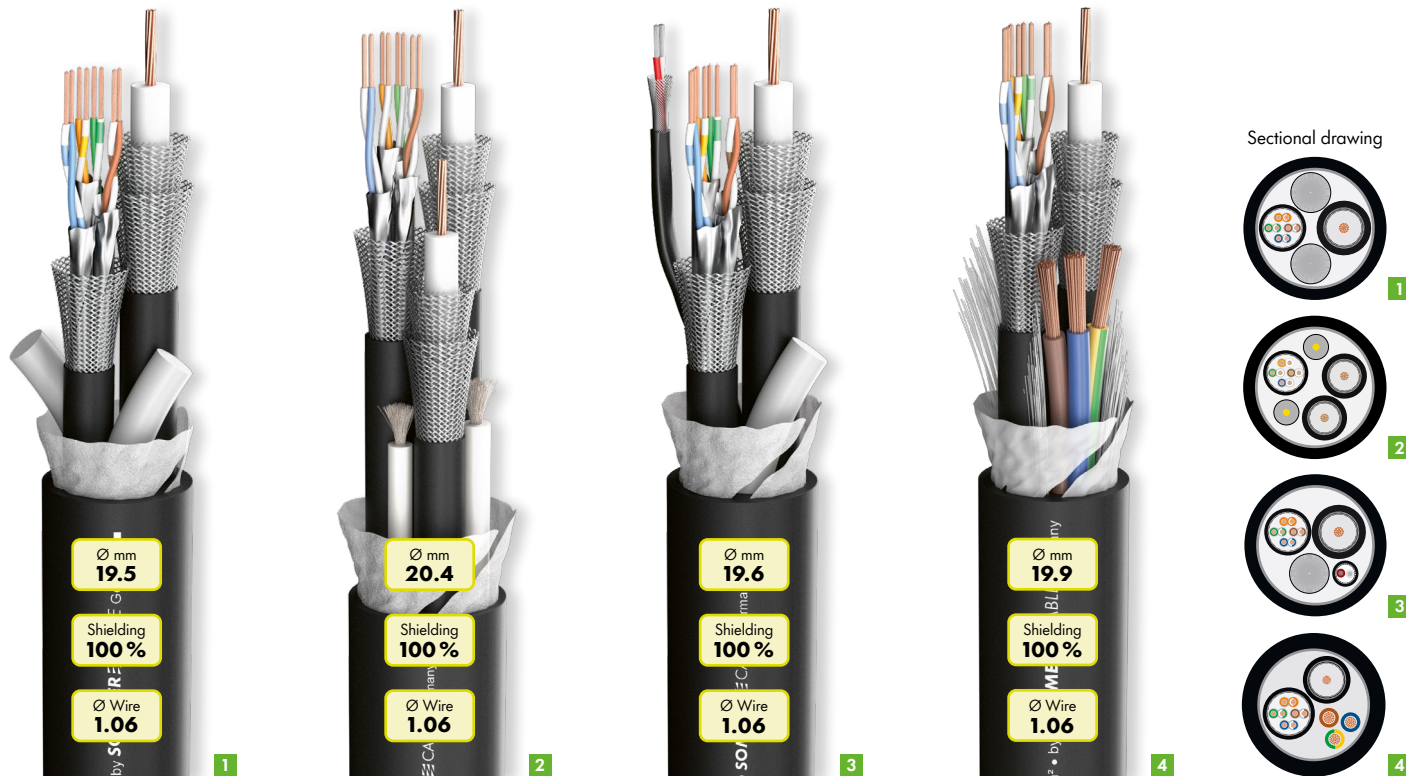


x01464

600-2001 **NEW**



x01667



TECHNICAL DATA

	3 TRANSIT MC 1101 HD	4 TRANSIT MC 1031 HD
Construction:	[(02YSCCH1.2L/4.8)+(S/FTP4x2xAWG23/7)+(1x(2LI2Y0.15 mm ²)DY)]Y	[(02YSCCH1.2L/4.8)+(S/FTP4x2xAWG23/1) +3LIY2.5 mm ²]Y
Jacket, diameter:	Total: PUR 19.6 mm Video: PUR 7.0 mm CAT.7: PUR 8.5 mm Audio: PVC 3.5 mm	Total: FR-PVC, 19.9 mm Video: PUR, 7.1 mm CAT.7: PVC, 8.0 mm
Inner conductors:	Video: 2 x (1 x 0.88 mm ² \triangleq Ø 1.06 mm) (AWG18) CAT.7: 4 x 2 x 0.26 mm ² (AWG23/7) Audio: 1 x 2 x 0.15 mm ² (AWG26)	Video: 1 x 0.88 mm ² \triangleq Ø 1.06 mm (AWG18) CAT.7: 4 x 2 x 0.57 mm ² (AWG23/1) Power: 3 x 2.5 mm ²
Copper strands per conductor:	Video: 7 x 0.40 mm CAT.7: 7 x 0.22 mm Audio: 19 x 0.10 mm	Video: 7 x 0.40 mm CAT.7: 1 x 0.57 mm
Conductor insulation:	Video: Foam/Skin-PE 4.8 mm	Video: Foam/Skin-PE 4.8 mm
Shielding:	Video: 2 x Copper braiding tinned CAT.7: Copper br. tinned + AL/PT foil for each wire pair Audio: Copper spiral, tin-plated	Video: 2 x Copper braiding tinned CAT.7: Copper br. tinned + AL/PT foil for each wire pair
Shielding factor:	100 %	100 %
Temperature range:	-20 °C...+70 °C	-20 °C...+75 °C
Fire load per m:	1.52 kWh	1.87 kWh
Weight per 1 m:	353 g	475 g
Packaging:	per m	per m
Matching plug:	Video: BNC1.2/5.0-HD, NBNC75BWU13 CAT.7: RJ45C6XL, RJ45C6XL-A, NE8MX6 Audio: HI-X3CM-V, HI-X3CF-V	Video: BNC1.2/5.0-HD, NBNC75BWU13 CAT.7: RJ45C6XL, RJ45C6XL-A, NE8MX6

ELECTRICAL DATA

Surge impedance:	75 Ω (video) / 100 Ω (CAT.7) / 110 Ω (audio)	75 Ω (video) / 100 Ω (CAT.7)
Capac. cond./shield. per 1 m:	44 pF (audio)	
Capac. cond./shield. per 1 m:	53 pF (video)/80 pF (audio)	53 pF (video)
Attenuation per 100 m (20°) Video:	200 MHz: 9.4 dB	200 MHz: 9.4 dB
	470 MHz: 14.7 dB	470 MHz: 14.7 dB
	862 MHz: 20.4 dB	862 MHz: 20.4 dB
	1000 MHz: 21.9 dB	1000 MHz: 21.9 dB
	1485 MHz: 27.2 dB	1485 MHz: 27.2 dB
	1750 MHz: 29.9 dB	1750 MHz: 29.9 dB
	2150 MHz: 33.5 dB	2150 MHz: 33.5 dB
3000 MHz: 40.8 dB	3000 MHz: 40.8 dB	

ORDER NO.

600-2811-01 **NEW**



x01668

600-1031



x00094

BULK CABLE - VIDEO

VIDEO/AUDIO/POWER HYBRID CABLE

75 Ω + AUDIO [AES/EBU] (+ POWER)

TRANSIT MC 120 HD/MC 123 HD/MC 2235 HD

MOBILE STUDIO INSTALL ELA
 ANALOG DIGITAL HD/UHD OFC

Triplets ...

one is for the image, one for the sound and one for power. An HD-SDI video signal is transmitted with 75 Ω via the image line, the sound line consists of a shielded microphone cable with a wire cross-section of 2 x 0.14 mm² / AWG26 and power is supplied by a 3 x 1.5 mm² / AWG15 mains lead.

The **TRANSIT MC 123 HD** is designed for permanent installation (studio, theater, building interior etc.). It is also suitable for mobile and outdoor applications. The **TRANSIT MC 2235 HD** offers another 5 control wires plus 1 audio and 1 video line and is HD capable. The **TRANSIT MC 120 HD** which contains one video and two audio lines is extremely cold-resistant (-40 °C/-40 °F with mobile and -50 °C/-58 °F with fixed installations) and thus perfectly suited for mobile applications, especially for cameras with stereo audio connections.

**NOW WITH AES/EBU AND DMX
COMPLIANT AUDIO LINES!**

FREE SAMPLE AVAILABLE!
Sectional drawing see website.

APPLICATIONS:

- Wiring surveillance monitors, cameras, editing consoles
- Installation (studio, theater, building technology, rack mount)
- Outdoor applications

PRODUCT ADVANTAGES:

- HD-SDI Video 75 Ω + audio (+ power)
- Very compact and flexible
- Easy to work with

**TECHNICAL DATA**

	1 TRANSIT MC 120 HD	2 TRANSIT MC 123 HD	3 TRANSIT MC 2235 HD
Construction:	[2LI2Y0.6(ST)CY+2(2LIY0.14 mm ²)(ST)DY]Y	[2Y0.6 mm(ST)CY+(2LIY0.14 mm ²)DY+(3LIY1.5 mm ²)Y]Y	[2Y0.8 mm(ST)CY+2(2LI2Y0.14 mm ²)DY+3LI2Y1.5 mm ²]Y
Jacket, diameter/total:	TPE 10.0 mm	PVC 14.2 mm	S-PVC 15.5 mm
Jacket, diameter/video:	TPE 4.2 mm	PVC 4.2 mm	PVC 6.0 mm
Jacket, diameter/audio:	TPE 3.1 mm	PVC 4.2 mm	PVC 2.6 mm
Inner conductors/video:	1 x 0.6 mm (AWG23/1)	1 x 0.6 mm (AWG23/1)	2 x 0.8 mm (AWG20)
Inner conductors/audio:	2 x 2 x 0.14 mm ² (AWG26)	2 x 2 x 0.14 mm ² (AWG26)	2 x 2 x 0.14 mm ² (AWG26)
Inner conductors/power:	-	3 x 1.5 mm ²	3 x 1.5 mm ²
Inner conductors/control:	-	-	5 x 0.34 mm ² (AWG22)
Copper strands per cond./video:	Copper-solid wire	Copper-solid wire	Copper-solid wire
Copper strands per cond./audio:	18 x 0.10 mm	18 x 0.10 mm	18 x 0.10 mm
Conductor insulation/video:	Foam/skin-PE 2.8 mm	Foam/skin-PE 2.8 mm	Foam/skin-PE 3.7 mm
Shielding/Video:	Copper braiding, tin-plated + AL/PT-foil	Copper braiding, tin-plated + AL/PT-foil	Copper braiding, tin-plated + AL/PT-foil
Shielding/Audio:	Copper spiral, tin-plated	Copper spiral, tin-plated	Copper spiral, tin-plated
Shielding factor:	100% (Video)	100%	100%
Temperature range:	-50 °C...+85 °C	-25 °C...+70 °C	-20 °C...+70 °C
Fire load per m:	0.69 kWh	0.84 kWh	1.47 kWh
Weight per 1 m:	110 g	200 g	236 g
Packaging:	per m	per m	per m
Matching plug:	BNC0.6/2.8 HD, BNC0.6/2.8-T NBNC75BJJ9	BNC0.6/2.8 HD, BNC0.6/2.8-T NBNC75BJJ9	BNC0.8/3.7HD, BNC0.8/3.7-6G, NBNC75BLP9, 1-6052-2100-1

ELECTRICAL DATA

Surge impedance:	75 Ω (Video) / 110 Ω (Audio) ±1%	75 Ω (Video) / 110 Ω (Audio) ±1%	75 Ω (Video) / 110 Ω (Audio) ±1%
Capac. cond./cond. per 1 m:	50 pF (audio)	50 pF (audio)	78 pF (audio)
Capac. cond./shield. per 1 m:	67 pF (video) 95 pF (audio)	56 pF (video) 100 pF (audio)	59 pF (video) 130 pF (audio)
Attenuation per 100 m (20 °C):	50 MHz: 7.3 dB 200 MHz: 14.5 dB 470 MHz: 22.7 dB 862 MHz: 31.1 dB 1000 MHz: 33.6 dB 1485 MHz: 41.2 dB	50 MHz: 7.3 dB 200 MHz: 14.5 dB 470 MHz: 22.7 dB 862 MHz: 31.1 dB 1000 MHz: 33.6 dB 1485 MHz: 41.2 dB	50 MHz: 6.1 dB 200 MHz: 11.7 dB 470 MHz: 14.8 dB 862 MHz: 25.3 dB 1000 MHz: 30.1 dB 1485 MHz: 35.4 dB

COLOR

■ black



**TRANSIT 120 HD
ORDER NO.
600-0791 NEW**

**TRANSIT 123 HD
ORDER NO.
605-0761 NEW**

**TRANSIT 2235 HD
ORDER NO.
600-2231**



VIDEO/POWER COMBO CABLE [HD/UHD]

2 x 75 Ω LONG-DISTANCE (1.2/4.8 DZ) +
3 x 1,5 mm² POWER

TRANSIT MC 2030 UHD

MOBILE STUDIO INSTALL
 ANALOG DIGITAL OFC HD/UHD 

The HD broadcast cable ...

with its double coax to handle HD video and its triple 15-gauge leads to handle power is, by repeated popular demand from our broadcast customers, now part of our standard product range.

The **TRANSIT 2030 HD** combines two of our double-shielded **VECTOR 1.2/4.8 DZ HIGHFLEX** video lines and one 3 x 1.5 mm² power line in a reelable, flexible PUR MasterBlend jacket in such a way that trouble-free HD signal transmission is ensured even under adverse conditions like heat, cold and stress, and even over distances of 100 m/330 feet and more.

FREE SAMPLE AVAILABLE!

Sectional drawing see website.

APPLICATIONS:

- Digital HD-SDI long-distance transmission including power supply
- Ideal for OB van use, sporting events and other large events
- Installation (broadcast, studio, conference rooms, building wiring)

PRODUCT ADVANTAGES:

- Power and HD-SDI-compliant video transmission in one cable
- Excellent shielding
- Low attenuation values for long-distance HD transmissions
- Compact in diameter
- Flexible and easy to reel

TECHNICAL DATA

Construction:	[2x(02YSCCH1.2L/4.8)+(3LIY1.5 mm ²)]Y		
Jacket, diameter:	Total: PMB, 18.8 mm		
	Video: PVC, 7.1 mm / Power: PVC, 6.7 mm		
Inner conductors:	Video: 1 x 0.88 mm ² Δ \varnothing 1.06 mm (AWG18)		
	Power: 3 x 1.5 mm ²		
Copper strands per conductor:	Video: 7 x 0.40 mm / Power: 30 x 0.25 mm		
Conductor insulation:	Video: Foam/Skin-PE 4.8 mm		
Shielding:	Video: 2 x Copper braiding tinned		
Shielding factor:	100%		
Temperature range:	-20 °C...+75 °C		
Fire load per m:	1.87 kWh		
Max. transmission length:*	130 m (SMPTE 425M, 3G), 85 m (SMPTE 2081, 6G),		
	55 m (SMPTE 2082, 12G)		
Weight per 1 m:	490 g		
Packaging:	per m		
Matching plug:	Video: BNC1.2/5.0-HD, BNC1.2/5.0-6G,		
	NBNC75BWU13		

ELECTRICAL DATA

Surge impedance:	75 Ω (video)/100 Ω (CAT.7)		
Capac. cond./shield. per 1 m:	53 pF		
Attenuation per 100 m (20 °C) video:	200 MHz:	9.4 dB	1485 MHz: 27.2 dB
	470 MHz:	14.7 dB	1750 MHz: 29.9 dB
	862 MHz:	20.4 dB	2150 MHz: 33.5 dB
	1000 MHz:	21.9 dB	3000 MHz: 40.8 dB

COLOR
■ black

ORDER NO.
600-2031



VIDEO/AUDIO/CONTROL CAMERA CABLE [HD/UHD]

3 x 75 Ω LONG-DISTANCE (1.2L/5.0) +
2 x 0.14 mm² AUDIO + 2 X 0.75 mm² CONTROL

TRANSIT MC 3202 UHD

MOBILE STUDIO INSTALL
 ANALOG DIGITAL OFC HD/UHD



Sectional drawing

The magic word Ultra HD ...

is on almost everybody's lips. The Ultra High Definition formats UHD-1 with 4K (3840 x 2160p) and 8K (7680 x 4320p) are more and more replacing the Full HD standard (1080p). These much higher resolutions are also a challenge for broad-cast production devices such as cameras, monitors, editing consoles and their connection and transmission technology. Which induced us to develop, as an addition to our fiber-optic combo lines, the new compact UHD-SDI hybrid cable with **3 x 1.2/5.0 / AWG18 (UHD video), 2 x 2 x 0.14 mm² / AWG26 (AES-EBU/audio) and 2 x 0.75 mm² / AWG18 control.**

The **TRANSIT MC 3202 HD** is also available ready-to-fit in your desired length. For more information see the section "Ready-made Cables". For maximum transmission lengths – see our webshop. Fiber-optic camera combo cables can be found under Bulk Cable – Various.

FREE SAMPLE AVAILABLE!

APPLICATIONS:

- Hybrid cable for UHD cameras, UHD monitors etc.
- Digital UHD-SDI transmission incl. digital audio and power
- OB van use, sporting events and big live events
- Installation (broadcast, studio, conference rooms)

PRODUCT ADVANTAGES:

- Compact hybrid cable for 3 x UHD video (BNC), 2 x digital audio (XLR 3-pin) and camera power supply (e. g., XLR 4-pin)
- Low attenuation values for long distance transmissions
- 3-in-1 cable, flexible and easy to reel in tough conditions

TECHNICAL DATA

Construction:	3x1.2L/5.0+2x(2x0.14 mm ²)+2x0.75 mm ²		
Jacket, diameter:	PVC (total) 20.9 mm		
	PVC (video) 6.95 mm / PVC (audio) 2.6 mm		
	PVC (control) 2.2 mm		
Inner conductors:	video: 3 x 0.88 mm ² Δ \varnothing 1.06 mm (AWG18)		
	audio: 2 x 2 x 0.14 mm ² (AWG26)		
	control: 2 x 0.75 mm ² (AWG18)		
Copper strands per conductor:	video: 7 x 0.40 mm / audio: 18 x 0.10 mm		
	control: 42 x 0.15 mm		
Conductor insulation:	video: Foam/Skin-PE 4.8 mm		
Shielding:	video: 2 x Copper braiding, tin-plated + AL/PT-foil		
	audio: Copper spiral, tin-plated		
Shielding factor:	100%		
Temperature range:	-20 °C...+70 °C		
Fire load per m:	1.95 kWh		
Max. transmission length:*	146 m (SMPTE 425M, 3G), 100 m (SMPTE 2081, 6G),		
	70 m (SMPTE 2082, 12G)		
Weight per 1 m:	450 g		
Packaging:	per m		
Matching plug:	video: BNC1.2/5.0-HD, BNC1.2/5.0-HD-6G,		
	NBNC75BWU13		

ELECTRICAL DATA

Surge impedance:	75 Ω ±1% (video)			
Capac. cond./shield. per 1 m:	52 pF (video)			
Velocity factor:	0.80			
Attenuation per 100 m (20 °C): (video)	50 MHz:	4.6 dB	200 MHz:	9.4 dB
	470 MHz:	14.7 dB	862 MHz:	20.4 dB
	1000 MHz:	21.9 dB	1485 MHz:	27.2 dB
	1750 MHz:	29.9 dB	2150 MHz:	33.5 dB
	3000 MHz:	40.8 dB		

COLOR
■ black

ORDER NO.
600-3202



*) Data depends on transmitter and receiver. Detailed table at www.sommecable.com → Service → Techn. Info

VIDEO/AUDIO/NETWORK 10 GBIT HYBRID CABLE [HD/UHD]

3 x 75 Ω LONG-DISTANCE (1.2/5.0) + (3 x 2.5 mm² POWER) + 1 x NETWORK (S/FTP) + 2 x 2 x 0.15 mm² AUDIO

TRANSIT MC 3231 UHD / TRANSIT MC 3201 UHD

MOBILE
 STUDIO
 INSTALL
 ANALOG
 DIGITAL
 OFC
 HD/UHD

10 Gbit

The all-round long-distance specialist ...

masters the mixed disciplines of sound, picture and power all at the same time, with uniformly excellent performance even over long distances. Furthermore, via the integrated 10 Gbit network cable you can also transmit digital audio signals (Ethersound, etc.) at a high-performance level. To power your peripherals, we have added a 3 x 2.5 mm² / AWG13 power line. With this all-rounder you are in great shape to handle the latest transmission standards. Plus the **TRANSIT MC 3231** has two additional 2 x 0.15 mm² / AWG25 audio lines.

FREE SAMPLE AVAILABLE!

APPLICATIONS:

- Digital HD-SDI long-distance transmission including digital audio network and power supply lines
- Ideal for broadcast van applications, sporting events and big events
- Installations (broadcast, studio, conference rooms, building wiring)

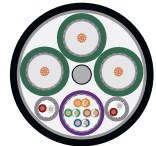
PRODUCT ADVANTAGES:

- 10 Gbit capable network and HD-SDI compliant video transmission in one cable
- Excellent shielding
- Super low attenuation values over extended distances

Sectional drawing



1



2



BULK CABLE - VIDEO

TECHNICAL DATA

Construction:	3 x 1.2/5.0 + (3 x 2.5 mm ² Netz) + 1 x CAT + 2 x 2 x 0.15 mm ²
Jacket, diameter:	<ul style="list-style-type: none"> • total: Soft-PVC 24.0 mm (MC 3231) / Soft-PVC 20.5 mm (MC 3201) • video: PVC 6.95 mm • CAT: PVC 6.4 mm • audio: PVC 3.0 mm • power: PVC 10.2 mm (only TRANSIT MC 3231)
Inner conductors:	<ul style="list-style-type: none"> • video: 3 x 0.88 mm² \triangleq \varnothing 1.06 mm (AWG18) • CAT: 4 x 2 x 0.14 mm² (AWG26/7) • audio: 2 x 2 x 0.15 mm² (AWG25) • power: 3 x 2.5 mm² (AWG13) (nur TRANSIT MC 3231)
Conductor insulation:	• video: Foam/Skin-PE 5.0 mm
Shielding:	<ul style="list-style-type: none"> • video: Cu-Geflecht + AL/PT-foil • CAT: Cu-Geflecht + AL/PT foil for each wire pair • audio: Cu-Wendel
Shielding factor:	100 %
Temperature range:	-20 °C...+75 °C
Fire load per m:	3.57 kWh
Weight per 1 m:	600 g / 580 g
Packaging:	per m
Matching plug:	BNC1.2/5.0HD, BNC1.2/5.0-6G, NBNC75BWU13, BNC1.2/5.0-T, I-7090-2100-1

ELECTRICAL DATA VIDEO

Surge impedance:	75 Ω (±3 Ω)																				
Capac. cond./shield. per 1 m:	52 pF																				
Shield. resistance per 1 km:	12 Ω																				
Velocity factor:	0.80																				
Attenuation per 100 m (20 °C):	<table border="1"> <tr> <td>50 MHz:</td> <td>4.6 dB</td> <td>200 MHz:</td> <td>9.4 dB</td> </tr> <tr> <td>470 MHz:</td> <td>14.7 dB</td> <td>862 MHz:</td> <td>20.4 dB</td> </tr> <tr> <td>1000 MHz:</td> <td>21.9 dB</td> <td>1485 MHz:</td> <td>27.2 dB</td> </tr> <tr> <td>1750 MHz:</td> <td>29.9 dB</td> <td>2150 MHz:</td> <td>33.5 dB</td> </tr> <tr> <td>3000 MHz:</td> <td>40.8 dB</td> <td></td> <td></td> </tr> </table>	50 MHz:	4.6 dB	200 MHz:	9.4 dB	470 MHz:	14.7 dB	862 MHz:	20.4 dB	1000 MHz:	21.9 dB	1485 MHz:	27.2 dB	1750 MHz:	29.9 dB	2150 MHz:	33.5 dB	3000 MHz:	40.8 dB		
50 MHz:	4.6 dB	200 MHz:	9.4 dB																		
470 MHz:	14.7 dB	862 MHz:	20.4 dB																		
1000 MHz:	21.9 dB	1485 MHz:	27.2 dB																		
1750 MHz:	29.9 dB	2150 MHz:	33.5 dB																		
3000 MHz:	40.8 dB																				

ELECTRICAL DATA CAT

Cond. resistance per 1 km:	< 143 Ω																				
Capac. cond./cond. per 1 m:	43 pF																				
Insulation resist. per 1 km:	5 GΩ																				
Surge impedance:	100 Ω (±15 Ω)																				
Velocity factor:	0.77																				
Maximum delay:	480 ns @ 100 MHz/100 m																				
Max. delay (skew):	20 ns @ 100 MHz/100 m																				
Attenuation per 100 m (20 °C):	<table border="1"> <tr> <td>50 MHz:</td> <td>16.9 dB</td> </tr> <tr> <td>100 MHz:</td> <td>21.2 dB</td> </tr> <tr> <td>200 MHz:</td> <td>29.5 dB</td> </tr> <tr> <td>470 MHz:</td> <td>50.5 dB</td> </tr> <tr> <td>862 MHz:</td> <td>77.0 dB</td> </tr> <tr> <td>1000 MHz:</td> <td>85.4 dB</td> </tr> <tr> <td>1485 MHz:</td> <td>109.6 dB</td> </tr> <tr> <td>1750 MHz:</td> <td>120.2 dB</td> </tr> <tr> <td>2150 MHz:</td> <td>131.8 dB</td> </tr> <tr> <td>3000 MHz:</td> <td>140.5 dB</td> </tr> </table>	50 MHz:	16.9 dB	100 MHz:	21.2 dB	200 MHz:	29.5 dB	470 MHz:	50.5 dB	862 MHz:	77.0 dB	1000 MHz:	85.4 dB	1485 MHz:	109.6 dB	1750 MHz:	120.2 dB	2150 MHz:	131.8 dB	3000 MHz:	140.5 dB
50 MHz:	16.9 dB																				
100 MHz:	21.2 dB																				
200 MHz:	29.5 dB																				
470 MHz:	50.5 dB																				
862 MHz:	77.0 dB																				
1000 MHz:	85.4 dB																				
1485 MHz:	109.6 dB																				
1750 MHz:	120.2 dB																				
2150 MHz:	131.8 dB																				
3000 MHz:	140.5 dB																				

TYPE

- 1 TRANSIT MC 3231**
2 TRANSIT MC 3201 (w/o Power)

COLOR

- black
 ■ black

ORDER NO.

- 600-2791**
600-2781 NEW



x00101



VIDEO CABLE 0.3L/1.8

5 x 75 Ω, MINI RGB-MULTICORE + CONTROL LINE 0.14 mm²

TRANSIT MINI CONTROL 506

STAGE MOBILE STUDIO INSTALL
 ANALOG OFC

A whole lot for little money ...

that's what you get in this cable, which happens to be **TRANSIT MINI FLEX**'s big brother, and the big difference with big brother is the addition of key control lines. Therefore we recommend this cable for making connections with a VGA SUB-15HD.

By the way, quality-wise the **TRANSIT MINI CONTROL** cannot be compared to cheap standard cables or no-name imports; here we are talking about a patch cable with a small diameter and reliable tech specs. Wire colors according to RGB: red, green, blue, black, white. The halogen-free version is suitable for indoor installation.

FREE SAMPLE AVAILABLE!
Sectional drawing see website.

APPLICATIONS:

- Highly flexible video, VGA monitor, SUB-D and SCART cable for professional demands
- For mobile applications and unobtrusive fixed installation

PRODUCT ADVANTAGES:

- Flexible, easy to reel and cold-resistant due to the special jacket compound
- Additional control lines
- Compact with a small outer diameter
- Low attenuation values despite small size

STRONG SPVC

Ø mm
10.0

Shielding
95%

TECHNICAL DATA

Construction:	(5LI2Y0.32 mmCY)Y +6x0.14 mm ² ST-Y
Jacket, diameter:	10.0 mm
Inner conductors:	5 x 0.32 mm (AWG28) + 6 x 0.14 mm ² control
Copper strands per conductor:	1 x 0.32 mm/12 x 0.12 mm (control)
Conductor insulation:	Foam/skin-PE 1.6 mm
Shielding:	Copper braiding, tin-plated (video), AL/PT-foil (total)
Shielding factor:	95 %
Temperature range:	-25 °C...+70 °C
Fire load per m:	0.39 kWh
Weight per 1 m:	124 g
Packaging:	per m
Matching plug:	BNC0.3/1.8, NBTC75BLI4

ELECTRICAL DATA

Surge impedance:	75 Ω ±3%	
Capac. cond./shield. per 1 m:	56 pF	
Attenuation per 100 m (20 °C):	50 MHz: 14.2 dB	100 MHz: 20.2 dB
	200 MHz: 28.8 dB	470 MHz: 41.6 dB
	862 MHz: 61.8 dB	1000 MHz: 70.0 dB
	1485 MHz: 86.4 dB	1750 MHz: 94.2 dB
	Return loss:	per 1 – 100 MHz: > 20 dB

COLOR

- black, 5-wire + 6x control
- black, 5-wire + 6x control, halogen-free

ORDER NO.

600-0261-0506
600-0261-0506H



DVI DUAL LINK CABLE

7 x (2 x 0.20 mm²) + 2 x 0.20 mm² + 3 x 0.20 mm² + FOIL + OVERALL SCREEN

SC-IMPULSE DVI DUAL LINK

MOBILE STUDIO INSTALL
 ANALOG DIGITAL OFC

The perfect digital image ...

flexible and reelable DVI dual link cable with PVC jacket for signals of up to 1920 x 1200 pixels (max. 3.7 GBit/s).

It is ideally suited for mobile applications as well as for fixed installations. It is used with mobile surveillance monitors, production robots and media system installations.

FREE SAMPLE AVAILABLE!
Sectional drawing see website.



Matching connector: **DVI101**

APPLICATIONS:

- High-resolution digital transmission of video data of up to 3.7 GBit/s
- Professional media system installations
- Mobile applications

PRODUCT ADVANTAGES:

- 1080p image resolution (Full HD)
- Multiple shielding for noise-free transmissions

TECHNICAL DATA

Construction:	[(7(2LI2YS0.20 mm ² Y))+(LIY5x0.20 mm ²)]CY
Jacket, diameter:	PVC 11.5 mm (total)
Inner conductors:	7 x (2 x 0.20 mm ²) + 2 x 0.20 mm ² + 3 x 0.20 mm ²
AWG:	AWG24
Copper strands per conductor:	7 x 0.20 mm
Conductor insulation:	Foam/skin-PE + HD-PE
Shielding:	AL/PT-foil + Copper braiding (total) + 7 pairs with AL/PT-foil + filler strand
Shielding factor:	100 %
Temperature range:	-50 °C...+80 °C
Fire load per m:	0.51 kWh
Weight per 1 m:	137 g
Packaging:	per m
Matching plug:	DVI01

ELECTRICAL DATA

Cond. resistance per 1 km:	190 Ω
Shield. resistance per 1 km:	13 Ω
Insulat. resistance per 1 km:	≥ 200 MΩ

COLOR
■ black

ORDER NO.
600-1921



VIDEO HYBRID CABLE 0.6/2.8 [HD/UHD]

75 Ω MULTI COAX & AUDIO

TRANSIT KOMBI HD-SDI

 STAGE MOBILE STUDIO INSTALL

 ANALOG DIGITAL FRNC PUR HD/UHD OFC

Standing ovations ...

often reward the multi-talented. The **TRANSIT KOMBI series** is multi-talented, too, offering multiple functions in one cable. For instance, we developed the 4 x AES/EBU versions with 4 or 4+1 x HD-SDI coax especially for MADI applications – ideal for digital multi-channel recordings and live or studio mixing jobs.

Up to 64 audio channels + separate sync can be transmitted simultaneously through one HD coax cable in a redundant digital format. This time the fine strand (36 x 0.07 mm / AWG41) AES/EBU lines will handle the DMX, monitor and intercom signals. The 5-way coax versions are also perfectly suited for the RGBHV use.

FREE SAMPLE AVAILABLE!

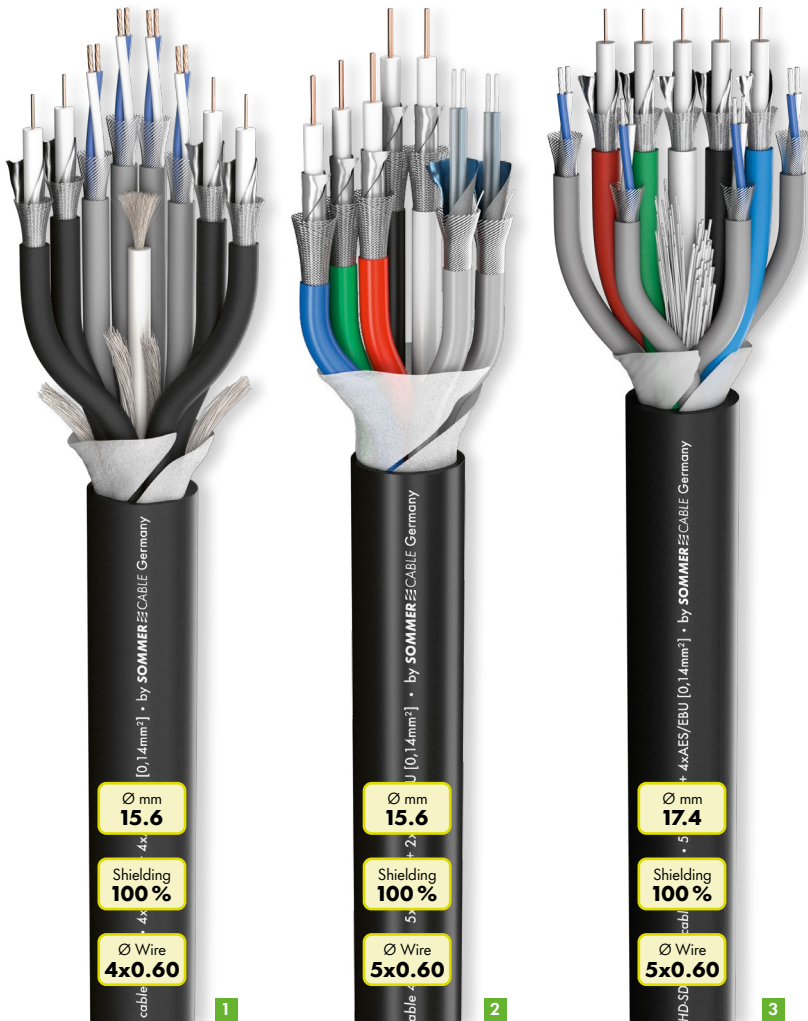
Sectional drawing see website.

APPLICATIONS:

- For permanent installation over long distances (theaters, sporting arenas, media & conference centers)
- For audio and video transmission, MADI live and studio operation

PRODUCT ADVANTAGES:

- Dependable and very high-quality picture & sound transmission in one cable
- Easy to crimp and very good attenuation values due to solid wire conductors
- Extremely rugged due to special jacket compound
- Small outer diameter, flexible (PVC version) and easy to reel



TECHNICAL DATA

	1 MC4400	2 MC5200	3 MC5400
Type:	4x video + 4x audio	5x video + 2x audio	5x video + 4x audio
Jacket, diameter:	PUR 15.6 mm	FRNC 15.6 mm	PVC 17.4 mm
Inner conductors video:	4 x 0.60 mm (AWG23)	5 x 0.60 mm (AWG23)	5 x 0.60 mm (AWG23)
Inner conductors audio:	4 x 2 x 0.14 mm ² AES/EBU	2 x 2 x 0.14 mm ² (AWG26)	4 x 2 x 0.14 mm ² AES/EBU
Conductor insulation video:	Foam/Skin-PE 2.8 mm	Foam/Skin-PE 2.8 mm	Foam/Skin-PE 2.8 mm
Shielding:	copper braiding, tinned 95 % + AL/PT-foil (video)	copper braiding, tinned 95 % + AL/PT-foil (video)	copper braiding, tinned 95 % + AL/PT-foil (video)
	copper spiral, tinned (audio)	copper spiral + AL/PT foil (audio)	copper spiral (audio)
Shielding factor:	100 %	100 %	100 %
Temperature range:	-30 °C ... +85 °C	-25 °C ... +70 °C	-25 °C ... +70 °C
Fire load per m:	1.59 kWh	1.5 kWh	1.49 kWh
Weight per 1 m:	270 g	300 g	380 g
Jacket color:	■ black	■ black	■ black
Packaging:	per m	per m	per m
Matching plug:	BNC0.6/2.8HD, NBNC75BFG7	BNC0.6/2.8HD, NBNC75BFG7	BNC0.6/2.8HD, NBNC75BFG7

ELECTRICAL DATA

Surge impedance:	75 Ω ± 3 %	75 Ω ± 3 %	75 Ω ± 3 %
Capac. cond./cond. per 1 m:	53 pF (audio)	65 pF (audio)	48 pF (audio)
Capac. cond./shield. per 1 m:	55 pF (video)	55 pF (video)	55 pF (video)
Attenuation per 100 m (20 °C):	50 MHz: 7.3 dB 200 MHz: 14.5 dB 470 MHz: 22.7 dB 862 MHz: 30.7 dB 1000 MHz: 33.6 dB 1485 MHz: 41.2 dB	50 MHz: 7.3 dB 200 MHz: 14.5 dB 470 MHz: 22.7 dB 862 MHz: 30.7 dB 1000 MHz: 33.6 dB 1485 MHz: 41.2 dB	50 MHz: 7.3 dB 200 MHz: 14.5 dB 470 MHz: 22.7 dB 862 MHz: 30.7 dB 1000 MHz: 33.6 dB 1485 MHz: 41.2 dB

ORDER NO.

600-1441 (PUR)

600-0601-05F (FRNC)

600-1451 (PVC)



x00104

BULK CABLE – DATA/AQUA/POWER

Simply good vibes.



www.sommercable.com

322/1) by **SOMMER** CABLE Germany

FOC/FIBER-OPTIC CABLES

FIBER-OPTIC CABLE MULTIMODE 50/125 µm AND 62.5/125 µm, SINGLE/MONOMODE 9/125 µm

SC-OCTOPUS-G

MOBILE STUDIO INSTALL

DIGITAL

FRNC

HALOGEN-FREE

PUR

TERRA

AQUA

PMB
PUR MASTER BLEND

40
Gbit

WARP 1 ...

or to be more precise, you will be able to reach the simple speed of light with our **SC-OCTOPUS-G** LWL cable. With it you can transmit your digital audio and video signals across large distances of up to 2 km/6500 ft. (at 100 MBit/s). The multimode gradient fibers with a core diameter of 50 µm (insulation/cladding gauge 125 µm) are available in three quality grades for different bandwidths: OM2 ≥ 500 MHz, OM3 ≥ 1500 MHz (10 G max. 300 m), OM4 ≥ 3500 MHz (10 G max. 550 m/1800 ft.). OM3 and OM4 fiber meets the demands of modern LWL interfaces (laser coupling instead of LED) as required by high data rates > 6 Gbit/s and closely tolerated limit values for the differential mode delay (max. 100 ps). With OM3 running lengths of up to 300 m/984 ft. are possible using the 10 Gbit standard (550 m/1800 ft. with OM4).

The superfine single mode/mono mode fiber with 9 or 125 µm is ideal for greater running lengths, especially for permanent installation. Data rates of 50 Gbit/s can be transmitted here without the need for a repeater.

The light coupling and fiber connection is more delicate than with the multimode fiber, which is why the multimode standard is more frequently used for mobile applications.

The **SC-OCTOPUS-G** is perfect for underground laying (PE version), the PUR version is reelable, flame-retardant according to IEC332-1 and ideally suited for mobile applications. For permanent indoor and outdoor installations we recommend the UV-resistant FRNC/LSZH version. The Breakout and Mini Breakout LWL lines can be used for indoor floor applications and rack cabling.

The bending radius should always be at least 10 times the fiber diameter.

The 4-fiber PUR version is also available with a **robust twin jack including special protective banding with water pressure compensation** (50 m/160 ft. maximum water depth) **and aramid fibers for optimum strain relief**. The jacket is dirt-repellant and cleans exceedingly well. Ideal for demanding off-road applications.

FREE SAMPLE AVAILABLE!

Sectional drawing see website.

APPLICATIONS:

- High-quality, fast connection for the transmission of digital signals
- Powerful data network installation in complex buildings (e.g., from office buildings to airport facilities)
- Indoor and outdoor transmissions over long distances

PRODUCT ADVANTAGES:

- Digital signal transmission over long distances
- Compact, lightweight, robust and metal free
- Dielectric glass fiber reinforcement (rodent protection)
- Longitudinally watertight in compliance with IED 60794-1-F5 (PE and FRNC/LSZH version)
- 10 Gbit applications (OM3 and OM4)
- Reelable, hence suitable for indoor and outdoor use over long transmission distances (PUR-version)
- Very robust double outer jacket (PUR, 4-fiber)



x01415

		OM2	OM3	OM4	OS1	OS2
Attenuation [dB/km]	850 nm	≤ 2,5	≤ 2,5	≤ 2,5	–	–
	1300 nm	≤ 0,7	≤ 0,7	≤ 0,7	≤ 0,36	≤ 0,36
	1550 nm	–	–	–	≤ 0,25	≤ 0,25
Bandwidth [MHz/km]	850 nm	≥ 500	≥ 1500	≥ 3500	–	–
	1300 nm	≥ 500	≥ 500	≥ 500	–	–
Transmission path [m]	100Base-FX	2000	2000	2000	–	–
	1000Base-SX	550	900	1100	–	–
	1000Base-LX	550	550	550	2000	5000
	10GBase-SR	82	300	550	–	–
	10GBase-LR	–	–	–	2000	10000



WARNING: Avoid direct eye contact by all means – retinal hazard!

Glass fiber multimode 50/125 µm			Attenuation: 2.5 db/km @ 850 nm...0.75 dB/km @ 1310 nm				
Illustr.	Color, Jacket	Application / Standards	Ø	Grade	Fibers	Weight	ORDER NO.
1	SC-OCTOPUS MARINEX ★ black, PUR dual jacket incl. special protective banding with water pressure compensation (up to 50 m water depth) (A-I-V(ZN)11YQ11Y)	Mobile / In-&Outdoor AQUA • Temp.: -55 °C...+85 °C • Max. tensile force: 1.6 kN	8.5 mm	OM3	4	65 g/m	590-0111-04-OM3
			8.5 mm	OM3	4	65 g/m	590-0111-04-OM3
2	★ black, PUR FRNC (A-V(ZN)11Y) • Temp.: -40 °C...+85 °C • Max. tensile force: 1.6 kN	Mobile / In-&Outdoor	5.8 mm	OM3	4	27 g/m	590-0311-04-OM3
			5.8 mm	OM4	4	27 g/m	590-0311-04-OM4 NEW
			7.0 mm	OM3	12	45 g/m	590-0311-12-OM3
			8.2 mm	OM4	12	39 g/m	590-0311-12-OM4 NEW
3	■ black, PE (A-DQ(ZN)B2YMM) • With fiber bundle • Backbone • Longitudinal watertight according to IEC 60794-1-2 • UV-resistant • Max. tensile force: 1.6 kN • Temp.: -15 °C...+70 °C	Underground laying / Outdoor	7.0 mm	OM3	4	32 g/m	590-0411-04-OM3
			7.0 mm	OM4	4	51 g/m	590-0411-04-OM4
			7.2 mm	OM2	8	51 g/m	590-0411-08
			7.2 mm	OM3	8	51 g/m	590-0411-08-OM3
			7.2 mm	OM2	12	51 g/m	590-0411-12
			7.2 mm	OM3	12	51 g/m	590-0411-12-OM3
			7.6 mm	OM2	24	60 g/m	590-0411-24
			7.6 mm	OM3	24	60 g/m	590-0411-24-OM3
3	■ black, HDPE, with anti-rodent protection made of corrugated steel armor (A-DQ(ZN)2Y(SR)2Y) • Temp. -40 °C...+70 °C	Ground installation/anti-rodent protection	9,6 mm	OM3	4	95 g/m	590-0401-04-OM3 NEW
9,6 mm			OM3	4	95 g/m	590-0401-04-OM3 NEW	
3	■ black, FRNC/LSZH (U-DQ(ZN)BH2Y) • Backbone, Secondary/ Tertiary sector • Longitudinal watertight according to IEC 60794-1-2 • UV-resistant • FRNC IEC 60332-3, IEC 60754-2 • Max. tensile force: 1.6 kN • With 96 fibers: 3.0 kN • Temp.: -10 °C...+50 °C *CPR classification Dca	Installation / In-&Outdoor	7.0 mm	OM2	4	51 g/m	590-0511-04
			7.0 mm	OM3	4	51 g/m	590-0511-04-OM3C* NEW
			7.0 mm	OM4	4	51 g/m	590-0511-04-OM4
			7.0 mm	OM2	8	51 g/m	590-0511-08
			7.0 mm	OM3	8	51 g/m	590-0511-08-OM3
			7.0 mm	OM4	8	51 g/m	590-0511-08-OM4
			7.0 mm	OM2	12	51 g/m	590-0511-12
			7.0 mm	OM3	12	51 g/m	590-0511-12-OM3
			7.0 mm	OM4	12	51 g/m	590-0511-12-OM4
			7.6 mm	OM2	24	60 g/m	590-0511-24
			7.6 mm	OM3	24	60 g/m	590-0511-24-OM3
			7.6 mm	OM4	24	60 g/m	590-0511-24-OM4
			12.8 mm	OM2	96	130 g/m	590-0511-96
			12.8 mm	OM3	96	130 g/m	590-0511-96-OM3
4	OM3: ■ aqua, LSZH (I-V(ZN)HH) • Tertiary sector • FRNC IEC 60332-3, IEC 60754-2 • Max. tensile force: 0.4 kN • Temp.: -20 °C...+60 °C	Breakout / Indoor / Patch	5.8 mm	OM3	2	17 g/m	590-0712-02-OM3
			6.8 mm	OM3	4	38 g/m	590-0712-04-OM3
			9.1 mm	OM3	8	80 g/m	590-0712-08-OM3
			11.6 mm	OM3	12	134 g/m	590-0712-12-OM3
5	OM2: ■ orange, LSZH (I-V(ZN)H) OM3: ■ aqua, LSZH (I-V(ZN)H) • FRNC IEC 60332-3, • Temp.: -20 °C...+60 °C	Mini-Breakout / Indoor	4.3 mm	OM2	4	18 g/m	590-0815-04
			4.3 mm	OM3	4	18 g/m	590-0812-04-OM3
			5.2 mm	OM3	8	27 g/m	590-0812-08-OM3
Glass fiber singlemode (monomode) 9/125 µm			Attenuation: 0.4 db/km @ 1310 nm				
Illustr.	Color, Jacket	Application / Standards	Ø	Grade	Fibers	Weight	ORDER NO.
2	★ black, PUR FRNC (A-V(ZN)11Y) • Max. tensile force: 1.6 kN • Temp.: -50 °C...+85 °C	Mobile / In-&Outdoor	5.5 mm	OS2	4	26 g/m	590-0321-04
			7.4 mm	OS2	12	45 g/m	590-0321-12
3	■ black, PE (A-I-DY(ZN)BH2Y) • UV-resistant • Max. tensile force: 1.6 kN • Temp.: -15 °C...+70 °C	Underground laying / Outdoor	7.0 mm	OS2	4	51 g/m	590-0421-04
			7.0 mm	OS2	8	51 g/m	590-0421-08
			7.0 mm	OS2	12	51 g/m	590-0421-12
3	■ black, HDPE, with anti-rodent protection made of corrugated steel armor (A-DQ(ZN)2Y(SR)2Y) • Temp. -40 °C...+70 °C	Ground installation/anti-rodent protection	9,6 mm	OS2	4	95 g/m	590-0441-04 NEW
9,6 mm			OS2	4	95 g/m	590-0441-04 NEW	
3	■ black, FRNC/LSZH (U-DQ(ZN)BH2Y) • FRNC IEC 60332-3, • Max. tensile force: 1.6 kN • With 96 fibers: 3.0 kN • Temp.: -10 °C...+50 °C	Installation / In-&Outdoor	7.0 mm	OS2	4	51 g/m	590-0521-04
			7.0 mm	OS2	12	51 g/m	590-0521-12
			7.6 mm	OS2	24	60 g/m	590-0521-24
			11.0 mm	OS2	48	85 g/m	590-0521-48
			12.8 mm	OS2	96	130 g/m	590-0521-96
■ yellow, LSZH (I-V(ZN)HH)	• Max. tensile force: 0.4 kN • Temp.: -20 °C...+60 °C	Breakout / Indoor	3.9 x 6.8 mm	OS2	2	28 g/m	590-0727-02
			8.5 mm	OS2	4	62 g/m	590-0727-04
			12.1 mm	OS2	8	133 g/m	590-0727-08
			15.8 mm	OS2	12	240 g/m	590-0727-12

BULK CABLE - VARIOUS



FIBER-OPTIC HYBRID CABLE SMPTE

FIBER-OPTIC HYBRID CABLE 9/125 μm SINGLEMODE FOR BROADCAST & STUDIO CAMERAS

SC-OCTOPUS-HYBRID 224 PUR/TPU BROADCAST CAMERA CABLE

MOBILE STUDIO INSTALL

DIGITAL FRNC HALOGEN-FREE PUR

Fiber goes to Hollywood ...

and thus paves the way for vast transmission lengths in digital broadcasting & studio camera technology. In addition to the two singlemode 9/125 μm fibers for image and sound, 2 control and 4 power wires are provided for camera control and power. A stainless steel rope has been integrated as strain relief. The reelable TPU cable is particularly suitable for mobile applications such as for use in OB vans. The bandwidth at 1km is 600 MHz at 1300 nm.

FREE SAMPLE AVAILABLE!

Sectional drawing see website.

For HD camera cables SMPTE 311 M

see the "Ready-made Cables" and "Multicore & Distribution Systems" sections.



APPLICATIONS:

- Connection of digital cameras in the broadcasting, studio and film industry
- Indoor and outdoor use with long transmission lengths
- Also suitable for permanent installation

PRODUCT ADVANTAGES:

- Transmission of image, sound, power and control via a single cable
- Built-in strain relief, highly rugged
- Suitable for 10 Gbit service – high-quality, fast and robust connection for the transmission of digital signals
- Reelable, hence suited for indoor and outdoor transmissions over long distances

Ø mm
9.2

TECHNICAL DATA

Jacket, diameter:	PUR / TPU 9.2 mm (total)
	LSZH 1.9 mm (fiber)
	TPE 1.1 mm (control)
	TPE 1.5 mm (power)
	TPE 2.5 mm (stainless steel rope)
Inner conductors:	2 x 9/125 μm (fiber) yellow, blue
	4 x 0.5 mm ² (power) (AWG20) black, white
	2 x 0.22 mm ² (control) (AWG24) grey, red
Shielding:	Copper braiding tin-plated, 90% shielding, Aramid mesh
Max. strain relief:	700 N
Temperature range:	-40 °C...+70 °C
Weight per 1 m:	140 g
Packaging:	per m
Matching plug:	HI-FIBER4-MC, SMPTE 304 M (FUW/PUW)

ELECTRICAL DATA

Attenuation loss per 1 km:	per 1310 nm: < 0.4 dB
	per 1550 nm: < 0.3 dB ($\lambda = 1.3 \mu\text{m}$)

COLOR

- black, PUR
- black, TPU

ORDER NO.

591-2241 **NEW**
591-2241TPU **NEW**



FIBER-OPTIC HYBRID CABLE

HYBRID FIBER-OPTIC CABLE 4 x 50/125 μm MULTIMODE FOR BROADCAST & PROFESSIONAL EVENT TECHNOLOGY

SC-OCTOPUS-HYBRID 443 PUR BROADCAST-CABLE

MOBILE STUDIO INSTALL

DIGITAL FRNC HALOGEN-FREE PUR

Universal Fiber Power ...

is at your command here with **4 x OM3** multimode, **3 x 2.5 mm²/AWG13** (16 A/240 VDC) and **2 x 2 x AWG24** for 4 x control or 2 x AES/EBU, and the entire bundle is securely protected all around, wrapped up in a dense aramid mesh and a cold-flexible PUR jacket. The core element has extra aramid fibers to provide strain relief. With its outer diameter of just 13.4 mm/0.528" the **OCTOPUS 443** is extremely compact and lightweight, so that we can offer 100 m/330 ft. lengths on the compact HT481 reel series. This hybrid cable is also available ready-made with HAN-ECO multi-pin connectors at both ends, or at one end with the other end fanning out to HI-FIBER4 + PowerCON + XLR connectors. You will find the overview of the different variants in the section on "Multicore & Power Distribution Systems". With the **OCTOPUS 443** you can organize your **cable technology** in a **future-oriented** and **ultra-compact lightweight design**.

FREE SAMPLE AVAILABLE!

Sectional drawing see website.

APPLICATIONS:

- Connecting digital video, digital audio, and power in the broadcasting and professional event arenas
- Indoor and outdoor signal transmission (ENG/SNG) over long distances
- Also suitable for permanent installation

PRODUCT ADVANTAGES:

- Picture, sound, power and control signal transmission in one cable
- Integrated strain relief
- Suitable for 10 Gbit service – high-quality, fast, robust connection for digital signal transmission
- Reelable, therefore suitable for indoor and outdoor use over long transmission distances

Ø mm
13.4

TECHNICAL DATA

Jacket, diameter:	PUR, 13.4 mm (total)
	LSZH 2.0 mm (fiber)
	PUR 4.2 mm (audio/control)
	XLPE 3.6 mm (power)
Inner conductors:	4 x 50/125 μm (OM3-Fiber) blue, orange, green, brown
	2 x 2 x 0.22 mm ² SFTP (audio/control) (AWG24) red, black
	3 x 2.5 mm ² (power) (AWG13) blue, brown, yellow-green
Max. strain relief:	Max. tensile strength: 600 N
Temperature range:	-40 °C...+75 °C
Weight per 1 m:	190 g
Packaging:	per m
Matching plug:	HI-FIBER4MC, PowerCON, HAN-ECO

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	70 pF (audio/control)
Attenuation loss per 1 km:	per 1300 nm: ≤ 1.0 dB
Band width per 1 km:	per 1300 nm: ≥ 500 MHz
Operation/Nominal voltage (power):	300 / 600 V

COLOR

- black, PUR

ORDER NO.

591-4431





CAT.5 PUR CABLE

PATCH, OUTDOOR, SF/UTP

SC-MERCATOR CAT.5 PUR



Road-worthy Ethernet for the rugged outdoors ...

The **SC-MERCATOR CAT.5 PUR** is the perfect cable for mobile and movable outdoor applications. On the cable reel, in the OB van, on cable slides and even in cable carriers it will stand out with its high bending cycles and great durability.

The halogen-free and flame-retardant PUR jacket (according to IEC60332.1) makes it ruggedly abrasion-proof and cold-resistant. A silicone-like sheath around the stranded wire pairs guarantees lasting transmission quality and optimal crush-resistance.

Of course, the cable is RJ45-compatible. Its smallest bending radius is 40 mm/1.6" and according to the editorial staff at "Ethersound", the maximum transmission length is 67 m/220 ft.

FREE SAMPLE AVAILABLE!

APPLICATIONS:

- Connection of computers and media equipment
- For mobile OB van use and outdoor applications

PRODUCT ADVANTAGES:

- Safe data transfer due to the short twist pitch and high-quality insulation
- Great durability due to a special, extremely sturdy jacket compound
- Resistant to outdoor temperatures
- Easy to reel

Ø mm
6.2
Shielding
100 %

TECHNICAL DATA

Construction:	SFTP4x2x0.15 mm ²
Jacket, diameter:	PUR-FRNC 6.2 mm
AWG:	AWG26
Copper strands per conductor:	19 x 0.10 mm
Conductor insulation:	Foam/skin-PE
Shielding:	AL/PT-foil + copper braiding 90% tin-plated
Shielding factor:	100%
Temperature range:	-15°C...+70°C
Fire load per m:	0.11 kWh
Weight per 1 m:	53 g
Packaging:	100/500 m spool
Matching plug:	RJ45C5E

ELECTRICAL DATA

Capac. cond./cond.:	48 pF
Max. section length:	65 m
Insulat. resistance per 1 km:	> 5 GΩ
Surge impedance:	100 Ω (±15 Ω)
Velocity factor:	0.73
Maximum delay per 100 m:	480 ns @ 100 MHz
Loop resistance per km:	max. 142.0 Ω
Attenuation per 100 m (20°C):	10 MHz: 9.5 dB 16 MHz: 12.1 dB 100 MHz: 32.0 dB

COLOR
★ black, PUR, CAT.5

ORDER NO.
581-0051



CAT.5e CABLE

TWISTED PAIR F/UTP

SC-MERCATOR CAT.5e



Sectional drawing 1

It's better to be on the safe side ...

since other manufacturers are under tremendous pressure to produce their computer cables in the greatest quantities at the lowest cost, their quality often falls by the wayside. This false economy takes its toll in the form of poor signal transmission and expensive, time-robbing fault tracing.

We, on the other hand, supply a high-quality version with a short twist pitch and an excellent insulation, the perfect installation line for the transmission of high Class D bitrates in compliance with the ISO/IEC 11801, EN 50173 specification (FAST ETHERNET, ATM155 Protocols).

Also available as flexible AWG26 patch cable with PVC jacket. The installation version of this cable (AWG24) is intended for direct connection to punch-down blocks on patch-panel and wall-port jacks, and is not suitable for terminating with standard RJ45 plugs.

FREE SAMPLE AVAILABLE!

APPLICATIONS:

- Connection of computers and media equipment

PRODUCT ADVANTAGES:

- Short twist pitch and high-quality insulation
- High life expectancy due to special jacket compound

Shielding
100 %

TECHNICAL DATA

	PATCH	1 INSTALL
Construction:	112Y(ST) 4x2x0.14 mm ² / 300 MHz	J02Y(ST)CY 4x2x0.51 mm/ 300 MHz
Jacket, diameter:	PVC 5.7 mm	PVC 6.1 mm
AWG:	AWG26/7	AWG24/1
Copper strands per conductor:	7 x 0.16 mm	1 x 0.51 mm
Conductor insulation:	Foam/skin-PE 0.93 mm	Foam/skin-PE 1.02 mm
Shielding:	AL/PT-foil + filler strand	AL/PT-foil + filler strand
Shielding factor:	100 %	100 %
Temperature range:	-20 °C...+75 °C	-20°C...+75 °C
Fire load per m:	0.15 kWh	0.19 kWh
Weight per 1 m:	34 g	40 g
Packaging:	100/500 m spool	100/500 m spool
Matching plug:	RJ45C5E-SW	RJ45C6XL, RJ45C6XL-A, NE8MX6

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	49 pF	49 pF
Insulat. resistance:	> 2 GΩ	> 5 GΩ
Surge impedance:	100 Ω (±15 Ω)	100 Ω (±15 Ω)
Loop resistance per 1 km:	170 Ω	260 Ω
Maximum delay per 100 m:	500 ns @ 100 MHz	500 ns @ 100 MHz
Max. delay (skew):	20 ns @ 100 MHz	20 ns @ 100 MHz
Max. section length:	50 m	100 m
Attenuation per 100 m (20°C):	100 MHz: 29.9 dB 155 MHz: 37.4 dB 300 MHz: 44.6 dB	100 MHz: 18.8 dB 155 MHz: 25.0 dB 300 MHz: 32.0 dB

COLOR
■ grey

JACKET/TYPE
PVC, CAT.5e INSTALL
PVC, CAT.5e PATCH

ORDER NO.
-
580-0106

ORDER NO.
580-0056
-



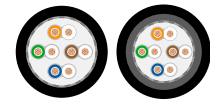


CAT.6a PATCH CABLE

TWISTED PAIR, S/FTP, SIMPLE/DOUBLE JACKET

SC-MERCATOR CAT.6a PROFLEX

MOBILE
 STUDIO
 INSTALL
 DIGITAL
 OFC



Sectional drawing

In the versatile onion look ...

appears the double jacket variant of our **SC-MERCATOR CAT.6a** patch cable, also available with only a single jacket. The double jacket version has a very pleasant and cold-flexible soft-PVC outer jacket which is extruded in two operational steps. The first jacket is applied like a tube to keep the wire pairs in position even when they're moved, whereas the inner jacket serves as a resilient force to preserve the flexibility or also as an additional protection against abrasion, pressure or kinks. It should be noted that this construction is a compromise between restive standard cables and heavy-duty cables which have a rather robust and rigid PUR jacket. With high pressure and strong tensile forces a PUR version is recommended. Users who find traditional CAT cables too stiff can fall back on this PROFLEX series and its high-quality mat finish. The special construction combines high flexibility with very good reeling properties and only little memory effect without annoying loops and trip hazards. The series meets the requirements of the latest digital audio formats like e.g. CobraNet™, EtherSound™, RockNet™, DMX over Ethernet or Dante™.

FREE SAMPLE AVAILABLE!

APPLICATIONS:

- CAT.6a cable for maximum bandwidth
- Analog/digital quadruple audio cable

PRODUCT ADVANTAGES:

- Reliable shielding
- Flexible and easy to reel
- Robust double jacket construction (580-1331)

TECHNICAL DATA

Construction:	S/FTP 4x2x0.22 mm ²
Jacket, diameter:	Single jacket: PVC 7.9 mm Double jacket: inner jacket PVC 7.2 mm, outer jacket PVC 8.7 mm
AWG:	AWG24/7
Copper strands per conductor:	7 x 0.20 mm
Conductor insulation:	Foam/Skin-PE 1.4 mm
Shielding:	AL/PT foil per wire pair + tinned overall screen
Shielding factor:	100 %
Temperature range:	-30 °C... +60 °C
Fire load per m:	Single jacket: 0.17 kWh Double jacket: 0.25 kWh
Weight per 1 m:	Single jacket 69 g, Double jacket 83 g
Packaging:	100/500 m spool
Matching plug:	RJ45C6XL, NE8MX6

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	56 pF										
Insulat. resistance:	5 GΩ										
Surge impedance:	100 Ω ±5 %										
Loop resistance per 1 km:	110 Ω										
Maximum delay per 100 m:	534 ns @ 100 MHz										
Max. delay (skew):	25 ns @ 100 MHz										
Max. section length:	80 m										
Attenuation per 100 m (20°C):	<table border="1"> <tr> <td>1 MHz:</td> <td>2.5 dB</td> </tr> <tr> <td>16 MHz:</td> <td>9.0 dB</td> </tr> <tr> <td>100 MHz:</td> <td>23.0 dB</td> </tr> <tr> <td>155 MHz:</td> <td>27.9 dB</td> </tr> <tr> <td>300 MHz:</td> <td>41.1 dB</td> </tr> </table>	1 MHz:	2.5 dB	16 MHz:	9.0 dB	100 MHz:	23.0 dB	155 MHz:	27.9 dB	300 MHz:	41.1 dB
1 MHz:	2.5 dB										
16 MHz:	9.0 dB										
100 MHz:	23.0 dB										
155 MHz:	27.9 dB										
300 MHz:	41.1 dB										

COLOR

- black
- black

JACKET/TYPE

- PVC Single jacket CAT.6a S/FTP
- PVC Double jacket CAT.6a S/FTP

ORDER NO.

- 580-1301 **NEW**
- 580-1331 **NEW**



2 x01707



CAT.6a PATCH CABLE

TWISTED PAIR, S/FTP, HIGHLY FLEXIBLE

SC-MERCATOR CAT.6a HIGHFLEX

- MOBILE STUDIO INSTALL
- DIGITAL OFC



Sectional drawing

Even the curviest banana will be amazed ...

when our **SC-MERCATOR CAT.6a HIGHFLEX** patch cable with an outer diameter of only 6 mm and an extremely small bending radius of <20 mm can wind its way through narrow patch panels, data cabinets and touring racks. And this in spite of a sturdy, robust PVC jacket and an S/FTP construction with a mesh screen plus AL/PT foil screen around the 4x2xAWG26/7 wire pairs. The overall design is guaranteed to meet the CAT.6a performance up to 500 MHz.

FREE SAMPLE AVAILABLE!

APPLICATIONS:

- 10 Gbit patch cable

PRODUCT ADVANTAGES:

- Small bending radius
- Highly flexible

Ø mm
6.2

Shielding
100%

mm²
4x2x0.14

TECHNICAL DATA

Construction:	LI2Y4x2x0.14 mm ²
Jacket, diameter:	PVC 6.2 mm
AWG:	AWG26/7
Copper strands per conductor:	7 x 0.16 mm
Conductor insulation:	Foam/Skin-PE 0.96 mm
Shielding:	AL/PT foil per wire pair + overall mesh screen
Shielding factor:	100 %
Temperature range:	-15 °C...+60 °C
Weight per 1 m:	33 g
Packaging:	100 m
Matching plug:	RJ45C6A

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	116 pF
Insulation resist. per 1 km:	500 MΩ
Surge impedance:	100 Ω (±15 Ω)
Velocity factor:	0.77
Maximum delay per 100 m:	545 ns @ 100 MHz
Max. delay (skew):	45 ns @100 MHz (per 100 m)
Attenuation per 100 m (20°C):	1 MHz: 2.5 dB
	16 MHz: 7.1 dB
	100 MHz: 14.5 dB
	250 MHz: 22.4 dB
	500 MHz: 33.2 dB

COLOR
■ black

ORDER NO.
580-0401 **NEW**



CAT.6a CABLE

TWISTED PAIR, F/UTP

SC-MERCATOR CAT.6a

- STUDIO INSTALL
- DIGITAL FRNC HALOGEN-FREE OFC CPR



Sectional drawing

Better safe than sorry ...

We supply a high-quality 4-twisted-pair CAT cable version with a short twist pitch and a durable FRNC jacket. The CAT.6a distinguishes itself from the CAT.5e cable by a higher transmission frequency of 500 MHz (EN 50173-1, EN 50288-5-1, IEC 61156-5, ISO/IEC 11801-2ed, TIA/EIA 568-B.2-10 Draft 5.0) which is achieved by specially insulating the opposing wire pairs.

The **SC-MERCATOR CAT.6a** has been designed for 10 Gbit (10GBASE-T) and is downward compatible with all existing network protocols (10/100/1000 Mbit). Thus the **SC-MERCATOR CAT.6a** can also be used for CAT.5 (100 MHz), CAT.5e (250 MHz) and CAT.6 (350 MHz) transmissions.

For mobile CAT.6 and CAT.6a applications we recommend our **SC-MERCATOR CAT.7 PUR**, described in the next few pages.

FREE SAMPLE AVAILABLE!

APPLICATIONS:

- Connection of computers and media equipment in the 10/100/1000 Mbit and 10 Gbit network standard

PRODUCT ADVANTAGES:

- Short twist pitch and high-quality insulation
- Great durability due to special LSZH jacket

Ø mm
7.1

Shielding
100%

Ø Wire
4x2x0.57

TECHNICAL DATA

Construction:	FTP LSZH 4x2x0.57 mm
Jacket, diameter:	FRNC 7.1 mm
AWG:	AWG23/1
Copper strands per conductor:	1 x 0.57 mm
Conductor insulation:	Foam/skin-PE
Shielding:	AL/PT-foil + filler strand
Shielding factor:	100 %
Temperature range:	-20 °C...+75°C
Fire load per m:	0.15 kWh
Weight per 1 m:	59 g
Packaging:	100/500 m spool
Matching plug:	RJ45C6XL, RJ45C6XL-A, NE8MX6

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	47 pF
Max. section length:	100 m
Surge impedance:	100 Ω (±15 Ω)
Loop resistance per km:	max. 150 Ω
Velocity factor:	0.75
Maximum delay per ft.:	470 ns @100 MHz/100 m
Max. delay (skew):	25 ns @100 MHz/100 m
Attenuation per 100 m (20°C):	1 MHz: 1.7 dB
	16 MHz: 6.9 dB
	100 MHz: 18.2 dB
	155 MHz: 22.9 dB
	250 MHz: 32.3 dB
	500 MHz: 39.8 dB

COLOR

★ orange, **FRNC-Eca**,
CAT.6 (AWG23) Install

ORDER NO.

580-0465FC **NEW**





CAT.6 & CAT.7 PUR CABLE

TWISTED PAIR, S/FTP

SC-MERCATOR CAT.7 PUR, SC-MERCATOR CAT.7 PUR XL, SC-MERCATOR CAT.6 PUR SUPERFLEX

✗ MOBILE ✗ STUDIO ✗ INSTALL

DIGITAL FRNC HALOGEN-FREE PUR OFC

10 Gbit



Sectional drawing 2

CAT agility and mobility ...

The **MERCATOR CAT.7 PUR** is the perfect choice for mobile outdoor transmissions of digital audio or network signals, e.g. on the OB van. Its halogen-free, flame-retardant PUR jacket (pursuant to IEC60332.1) is extremely notch-resistant and crush-proof, cold-flexible and easy to reel. The wires are foam-skin PE-insulated and shielded pairwise by AL-PT foils (PimF). The overall screen is made of a Cu mesh with fleece. This guarantees optimum transmission properties.

The very robust **MERCATOR CAT.7 PUR XL** with its large wire cross-section (AWG23) is suitable for long-distance EtherSound signal transmissions of up to 125 m (410 ft.).

The high-performance **MERCATOR CAT.6 SUPERFLEX** variant has a clever double jacket construction made of a notch-resistant, crush-proof and cold-flexible PUR outer jacket in combination with a highly flexible S-PVC inner jacket and a tinned Cu mesh in between. This construction makes the cable extremely flexible and very easy to reel. Ideal for the daily use "on the road".

For AoIP transmission distances >75 m (246 ft.) we recommend our multimode and singlemode fiber systems with the HI-FIBER4, FIBERLENS and OpticalCON connectors.

FREE SAMPLE AVAILABLE!

Sectional drawing see website.

APPLICATIONS:

- PUR version for mobile OB van use and outdoor applications
- Can handle a variety of signal transmissions from CAT.5e to CAT.6, CAT.6a and CAT.7
- For digital audio and video protocols

PRODUCT ADVANTAGES:

- Safe data transfer due to high-quality shielding and insulation
- Special jacket compound provides extreme ruggedness for excellent durability
- Handles outdoor temperature fluctuations well

TECHNICAL DATA

	1 CAT.7 PUR 600 MHz	2 CAT.7 PUR XL 800 MHz	3 CAT.6 SUPERFLEX
Construction:	SFTP 4x2x0.14 mm ²	SFTP 4x2x0.26 mm ²	S/UTP 4x2x0.57 mm
Jacket, diameter:	PUR 6.5 mm	PUR 8.5 mm	Outer jacket: PUR, 8.0 mm Inner jacket: PVC, 6.2 mm
AWG:	AWG26/7	AWG23/7	AWG23/1
Copper strands per conductor:	7 x 0.16 mm	7 x 0.22 mm	1 x 0.57 mm
Conductor insulation:	Foam/skin-PE	Foam/skin-PE	Foam/Skin-PE
Shielding:	Copper braiding tin-plated (total)	Copper braiding tin-plated (total)	Copper braiding tin-plated (total)
Shielding factor:	100 %	100 %	80 %
Temperature range:	-20 °C...+60 °C	-20 °C...+60 °C	-40 °C...+80 °C
Fire load per m:	0.19 kWh	0.23 kWh	0.24 kWh
Weight per 1 m:	40 g	80 g	78 g
Packaging:	100/500 m spool	100/500 m spool	100/500 m spool
Matching plug:	RJ45, all standards	RJ45C6XL, RJ45C6XL-A, NE8MX	RJ45C6XL, RJ45C6XL-A, NE8MX (-B) -T

ELECTRICAL DATA

	1	2	3
Capac. cond./cond. per 1 m:	45 pF	44 pF	76 pF
Insulat. resistance per 1 km:	> 2 GΩ	5 GΩ	>2 GΩ
Max. section length:	TCP/IP: 90 m Ethersound: 80 m MADI: 70 m	TCP/IP: 150 m Ethersound: 125 m MADI: 125 m	TCP/IP: 130 m Ethersound: 110 m MADI: 100 m
Surge impedance:	100 Ω (±5 Ω)	100 Ω (±5 Ω)	100 Ω (±5 Ω)
Loop resistance per km:	max. 290 Ω	max. 290 Ω	max. 290 Ω
Velocity factor:	0.75	0.75	0.75
Maximum delay per 100 m:	450 ns @ 100 MHz	470 ns @ 100 MHz	460 ns @100 MHz
Max. delay (skew):	10 ns @ 100 MHz/100 m	15 ns @ 100 MHz/100 m	14 ns @100 MHz/100 m
Attenuation per 100 m (20°C):	16 MHz: 10.5 dB 100 MHz: 25.9 dB 200 MHz: 37.5 dB 350 MHz: 51.0 dB 600 MHz: 66.5 dB 1000 MHz: 88.5 dB	16 MHz: 7.2 dB 100 MHz: 19.0 dB 200 MHz: 27.5 dB 350 MHz: 36.5 dB 600 MHz: 49.3 dB 1000 MHz: 69.2 dB	16 MHz: 6.9 dB 100 MHz: 18.4 dB 200 MHz: 27.1 dB 350 MHz: 38.0 dB 600 MHz: - 1000 MHz: -

COLOR

COLOR	ORDER NO.
★ black	581-0071
★ grey	581-0076
★ violet	581-0078

ORDER NO.

581-0251

ORDER NO.

580-0201



x00117

CAT.7/CAT.7a CABLE

TWISTED PAIR, S/FTP

SC-MERCATOR CAT.7/CAT.7a

✘ STUDIO ✘ INSTALL

DIGITAL FRNC HALOGEN-FREE OFC CPR

10
Gbit



Sectional drawing

Better to be safe than sorry ...

since other manufacturers are under tremendous pressure to produce their computer cables in the greatest quantities at the lowest cost, their quality often falls by the wayside. This false economy results in poor signal transmission and expensive, time-robbing fault tracing. We at **SOMMER Cable** go a different route by supplying a high-quality version with a short twist pitch and a durable FRNC jacket, the perfect installation line for the transmission of high Class F bitrates in compliance with the given specification (FAST ETHERNET, ATM155 Protocols, EN 50173 1ed, EN 50173 2ed, EN 50288-1, EN 50288-5-1, IEC 61156-5, ISO/IEC 11801 2ed). It is downward compatible with all existing network protocols CAT.5, CAT.6 und CAT.6a

The installation cable is also available as a duplex line with an additional braided screen.

FREE SAMPLE AVAILABLE!

Sectional drawing see website.

APPLICATIONS:

- Connection of computers and media equipment

PRODUCT ADVANTAGES:

- Short twist pitch and high-quality insulation
- Great durability due to special jacket compound
- Length printed on cable



Ø mm
6.5

Shielding
100 %

mm²
4x2x0.14

Ø mm
2x8.5

Shielding
100 %

Ø Wire
8x2x0.57

Ø mm
8.4

Shielding
100 %

mm²
4x2x0.64

TECHNICAL DATA

	PATCH 600 MHZ	INSTALL 1000 MHZ	INSTALL CAT.7A 1500 MHZ
Construction:	J02YSCH 4x2x0.14 mm ²	J02YSCH 4x2x0.57 mm	J02YSCH 4x2x0.64 mm
Jacket, diameter:	FRNC, 6.5 mm	FRNC, 7.6 mm	FRNC 8.4 mm
Jacket, diameter (Duplex):	-	FRNC, 2 x 8.5 mm	-
AWG:	AWG26/7	AWG23/1	AWG22/1
Copper strands per conductor:	7 x 0.16 mm	1 x 0.57 mm	1 x 0.64 mm
Conductor insulation:	Foam/Skin-PE	Skin/Foam/Skin-PE	Skin/Foam/Skin-PE
Shielding:	AL/PT-foil + Copper braiding	AL/PT-foil + Copper braiding	AL/PT-foil + Copper braiding
Shielding factor:	100 %	100 %	100 %
Temperature range:	-20 °C...+70 °C	-20 °C...+70 °C	-20 °C...+60 °C
Fire load per m:	0.15 kWh	0.17 kWh	0.19 kWh
Fire load per m (Duplex):	-	0.21 kWh	-
Weight per 1 m:	34 g	64 g/140 g (Duplex)	73 g
Packaging:	100/500 m spool	100/500 m spool	100/500 m spool
Matching plug:	RJ45, all standards	RJ45C6XL	RJ45C6XL

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	43 pF	43 pF	45 pF
Max. section length:	70 m	150 m	190 m
Surge impedance:	100 Ω (±15 Ω)	100 Ω (±15 Ω)	100 Ω (±15 Ω)
Loop resistance per km:	max. 290 Ω	max. 145 Ω	max. 115 Ω
Maximum delay per 100 m:	480 ns @ 100 MHz	450 ns @ 100 MHz	450 ns @ 100 MHz
Max. delay (skew):	20 ns @ 100 MHz	15 ns @ 100 MHz	15 ns @ 100 MHz
Attenuation per 100 m (20°C):	16 MHz: 10.1 dB 100 MHz: 26.2 dB 155 MHz: 33.2 dB 300 MHz: 47.7 dB 600 MHz: 70.8 dB -	16 MHz: 6.5 dB 100 MHz: 16.9 dB 155 MHz: 21.2 dB 300 MHz: 29.9 dB 600 MHz: 43.3 dB 1000 MHz: 57.9 dB -	16 MHz: 6.3 dB 100 MHz: 16.2 dB 155 MHz: 21.2 dB 300 MHz: 28.5 dB 600 MHz: 40.7 dB 1000 MHz: 55.0 dB 1500 MHz: 64.5 dB

COLOR/JACKET/TYPE

★grey FRNC, CAT.7 (AWG26) S/FTP

★orange FRNC/Dca, CAT.7 (AWG23) S/FTP

★orange FRNC/Cca, CAT.7 (AWG23) S/FTP

★orange FRNC/Dca, 2xCAT.7 (AWG23) S/FTP

★yellow FRNC/Dca, CAT.7a (AWG22) S/FTP

ORDER NO.

580-0306F

ORDER NO.

-
580-0255FC **NEW**

-
580-0275FC **NEW**

-
580-0295FC **NEW**

-

ORDER NO.

-
-
-
-
580-0417FC **NEW**



x00116



CAT.8.1 INSTALLATION CABLE

TWISTED PAIR, S/FTP, B2ca

SC-MERCATOR CAT.8.1 B2ca

✕ INSTALL

DIGITAL HALOGEN-FREE OFC CPR

40
Gbit



Sectional drawing

The Transrapid among the network cables ...

supports a maximum bandwidth of 40 Gbit/s and is suitable for the construction of highspeed Ethernet networks in premises wiring. The CAT.8.1 network cable with a halogen-free LSZH jacket excels by its great performance reserves and an outstanding quality, among other things to meet the IEC 60332-1-2, IEC 60754-1/2 and IEC 61034-1/2 standards as well as the high fire protection class B2ca (low-flammable, low heat release). It has a high-quality double shielding of individually screened wire pairs (PimF) plus an overall mesh of tinned copper and is suitable for applications up to a transmission frequency of 2000 Mhz as well as Power over Ethernet (PoE/PoE+), the transmission of digital and analog signals, video, data, speech and VoIP (Voice over IP). The cable meets all requirements pursuant to the application class I which specifies a maximum link length 30 m (98.4 ft.) and is downward compatible with the categories CAT.7a, CAT.7, CAT.6a, CAT.6, CAT5e, and CAT.5.

APPLICATIONS:

- 40 Gbit installation cable

Ø mm
8,2

Shielding
100 %

mm²
4x2x0,62

PRODUCT ADVANTAGES:

- Fire protection class B2ca
- Transmission frequency of 2000 MHz
- Power over Ethernet
- Downward compatible with the CAT.7a, CAT.7, CAT.6a, CAT.6, CAT5e, and CAT.5 categories

TECHNICAL DATA

Construction:	S/FTP 4x2x0.62 mm
Jacket, diameter:	LSZH, 8.2 mm
AWG:	AWG22/1
Copper strands per conductor:	1 x 0.62 mm
Conductor insulation:	1.52 mm
Shielding:	AL/PT foil per wire pair + total copper braid, tin-plated
Shielding factor:	100 %
Temperature range:	- 20 °C ... + 60 °C
Fire load per m:	0.2 kWh
Weight per 1 m:	67 g
Packaging:	100 spool

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	41 pF
Insulat. resistance per 1 km:	2 GΩ
Surge impedance:	100 Ω (+/-5Ω)
Velocity factor:	0.79
Maximum delay:	450 ns @100 MHz/100 m
Max. delay (Skew):	5 ns @100 MHz/100 m
Attenuation per 100 m (20 °C):	100 MHz: 17.5 dB 250 MHz: 28.5 dB 500 MHz: 41.8 dB 862 MHz: 56.9 dB 1000 MHz: 62.0 dB 1500 MHz: 67.5 dB

COLOR/TYPE
■ blue, Install, B2ca

ORDER NO.
580-0802FC **NEW**



x01715



CAT.7 MULTICORE NETWORK CABLE

TWISTED PAIR, S/FTP

SC-MERCATOR 2/4 X CAT.7

✕ STAGE ✕ STUDIO ✕ INSTALL

DIGITAL OFC

10
Gbit



Sectional drawing

Cable monoculture ...

is what we did with the **SC-MERCATOR 2/4 x CAT.7**. Here we have packed two or even four CAT.7 lines into one highly flexible, robust Strong-PVC jacket. Each of the network lines is shielded against external interference by its own braided copper mesh, and each wire pair (PimF) is wrapped in its own foil screen.

With the **SC-MERCATOR 2/4 x CAT.7**, which is 10 Gbit-capable, up to 4 high-speed Ethernet (or compatible) signals can be transmitted simultaneously.

FREE SAMPLE AVAILABLE!

2 x CAT.7
Order No.: 580-0311-02



APPLICATIONS:

- Linking of sound and light controllers via separate networks
- For quick and efficient cabling, e.g. of LED video wall systems
- Can be used in all CAT.5e, CAT.6, CAT.6a and CAT.7 systems

PRODUCT ADVANTAGES:

- Two or four high-speed lines in one robust jacket
- Full CAT.6a functionality / 10 Gbit
- Redundant transmission capability

TECHNICAL DATA

Construction:	2/4 x S/FTP 4x2x0.51 mm
Jacket, diameter:	PVC, 2 x CAT.7: 17.8 mm PVC, 4 x CAT.7: 20.8 mm
AWG:	AWG24/1
Conductor insulation:	Foam/Skin-PE 1.32 mm
Shielding:	AL/PT-foil + Copper braiding tin-plated
Shielding factor:	100 %
Temperature range:	-20 °C...+60 °C
Fire load per m:	0.15 kWh
Weight per 1 m:	380 g
Packaging:	100/500 m spool
Matching plug:	RJ45C6XL, RJ45C6XL-A, NE8MX6

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	45 pF
Max. section length:	CAT.5e: 140 m
Insulat. resistance per 1km:	5 GΩ
Surge impedance:	100 Ω (±5 Ω)
Loop resistance:	max. 190 Ω/m
Velocity factor:	0.77
Maximum delay:	450 ns @ 100 MHz/100 m
Max. delay (Skew):	5 ns @100 MHz/100 m
Attenuation (ACR) per 100 m (20 °C):	100 MHz: 23.5 dB 200 MHz: 32.0 dB 300 MHz: 41.5 dB 400 MHz: 48.0 dB 500 MHz: 53.5 dB

COLOR/TYPE
■ black, 2 x CAT.7
■ black, 4 x CAT.7

ORDER NO.
580-0311-02 **NEW**
580-0311-04



x00119



Microphone cable AES/EBU

Microphone cable AES/EBU + aramid

Microphone cable DMX, AES/EBU, 4-wire

Speaker cable

Speaker cable + aramid

HD-SDI video 75 Ω + aramid

RG59 video 75 Ω

HD/UHD video 75 Ω

CAT.6 network + aramid

AES/EBU, DMX & Power combo cable

Load cable 3 x 2.5 mm²/AWG13

LED control cable

Fiber-optic cable OM3 multimode 50/125 μm

AQUA All cables labeled **AQUA** are **longitudinally watertight up to 20 bars of water pressure** or **transversely watertight (AQUA MARINEX series)**. The special PUR jacket keeps water and other fluids from penetrating and prevents longitudinal dispersion in case of cable damage. The watertight jacket is also robust enough to handle the installation of high-pressure insulated terminals inevitably needed to prevent

moisture from penetrating. Due to the combination of a special saltwater-resistant PUR jacket and protective band, the **AQUA MARINEX** cable series can be permanently laid underwater (not chlorine water resistant). The jacket's unique multi-layer construction prevents water penetration. Water perforating a weaker jacket would speed up the oxidation process and (due to capillary action) alter the attenuation and other relevant electrical

values. Video and other coaxial cable types (like those for surveillance cameras or monitors) are particularly susceptible to water damage.

Beginning with an order quantity of 3 km/9842 ft. practically all of our cables can be made with a longitudinally or transversely watertight jacket.

Bulk Cables ▶ **SC-AQUA MARINEX CABLE SERIES**

Underwater Cables, Marine Cables, Cables for Shipbuilding, Cables for Outdoor Applications

When things get a little too wet ...

we've got you (and your cables) uniquely covered. The **SC-AQUA MARINEX** cable series is the ideal solution should you want to install audio/video/control lines, network or fiber-optic cables permanently underwater or in a wet environment.

APPLICATIONS:

- Permanent laying in water depths of 20 – 200 m/65 – 650 ft., depending on version
- >> Water parks
- >> Fountains and garden facilities
- >> Sports grounds
- >> Shipbuilding
- >> Underwater photo and film technology
- >> Underwater and boat video surveillance
- >> Adventure and amusement parks
- >> Lake events
- >> Fish farms and hatchery ponds
- >> Saunas
- >> Pump controls
- >> Environmental protection (sediment technology)
- >> Arbors, gazebos
- >> Swimming pools and thermal spas (Outdoor)
- >> Tunnel construction
- >> Outdoor/winter sports facilities
- >> Horse and dog racetracks and many more



20...200 m deep

PRODUCT BENEFITS:

- Saltwater and freshwater-resistant outer jacket
- Halogen-free and flame-retardant
- UV-resistant, microbe-resistant
- Sand-repellent, easy to clean (e.g., events near the beach)
- Special inner protective banding, pressure compensating water
- More cost-effective than conventional marine cables
- Notch-resistant





MICROPHONE CABLE AES/EBU 110 Ω, TRANSVERSELY WATERTIGHT

SALTWATER-RESISTANT, HALOGEN-FREE, 110 Ω AES/EBU

SC-AQUA MARINEX MIKRO

⊗ STAGE ⊗ MOBILE ⊗ INSTALL ⊗ ELA

ANALOG DIGITAL AQUA HALOGEN-FREE PUR OFC

Shower singers will be happy ...

about the new **AQUA MARINEX microphone cable** for permanent underwater use. The **AQUA MARINEX** microphone and AES/EBU cable is the standard installation cable in wet areas such as aquaparks and on boats. It ensures excellent audio signal transmission, and enables the triggering of visual effects. Particularly for long-term events such as lake night festivals, Christmas markets, sporting events, in the theater sector or OB vans, the **AQUA MARINEX** provides an ideal connection. To handle great water pressure and minimize mechanical stress and electrical interference, we have stabilized the wires internally and fitted the cable with two tight copper braidings which are insulated against each other. For safety purposes, one screen can be tied to the shell of the XLR connector. The cable is a bit stiffer than conventional PVC cables, on the one hand, but almost indestructible on the other.

FREE SAMPLE AVAILABLE!

Sectional drawing see website.

Ø mm
4.6

Ø mm
7.2

Shielding
95%

Shielding
95%

mm²
2x0.14

mm²
2x0.25

APPLICATIONS:

- Maximum water depth of 50 m/160 ft. (MIKRO 25)
- Demanding outdoor installations
- Digital control of visual effects
- Installation and usage near the coast and in shipbuilding
- Indoor and outdoor installation in leisure parks and water oases

PRODUCT ADVANTAGES:

- Saltwater and freshwater-resistant black and white outer jacket
- 110 Ω wave impedance, AES/EBU, DMX512
- Transversely watertight due to water-absorbing, pressure-compensating protective banding
- Cold-flexible and reelable
- UV- and microbe-resistant
- Shielded by two tight copper braidings, insulated against each other (MIKRO 25)

TECHNICAL DATA

	MIKRO 14	MIKRO 25
Jacket, diameter:	PUR-SR 4.6 mm	PUR-SR 7.2 mm
Inner conductors:	2 x 0.14 mm (AWG26)	2 x 0.25 mm ² (AWG23)
Copper strands per conductor:	18 x 0.10 mm	32 x 0.10 mm
Conductor insulation:	PE 1.1 mm	PUR 1.6 mm
Shielding:	copper spiral + special protective banding	
Shielding factor:	95%	95%
Temperature range:	-40°C...+80°C	
Max. water pressure:	2 bars	5 bars
Max. water depth:	20 m	50 m
Fire load per m:	0.18 kWh	0.27 kWh
Weight per 1 m:	30 g	65 g
Packaging:	per m	per m

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	65 pF	50 pF
Capac. cond./shield. per 1 m:	190 pF	190 pF
Cond. resistance per 1 km:	141 Ω	78 Ω
Shield. resistance per 1 km:	291 Ω	291 Ω
		23.8 Ω
Insulation resist. per 1 km:	1 GΩ	1 GΩ
Surge impedance:	110 Ω ± 3%	110 Ω ± 3%

COLOR

- white, PUR-SR 14
- black, PUR-SR 14
- black, PUR-SR 25

ORDER NO.

- 200-0140AQ**
- 200-0141AQ**
- 200-0241AQ**



ⓧx00123

MICROPHONE CABLE ARAMID AES/EBU 110 Ω, TRANSVERSELY WATERTIGHT

SALTWATER-RESISTANT, HALOGEN-FREE, WITH ARAMID STRAIN RELIEF

SC-AQUA MARINEX ARAMID MIKRO14

⊗ STAGE ⊗ MOBILE ⊗ INSTALL ⊗ ELA

ANALOG DIGITAL AQUA HALOGEN-FREE PUR OFC ARAMID

Perfectly adapted ...

to our watertight HICON IP XLR **HI-MARLIN** connector series is this compact and ultra robust 110-ohm microphone cable. The cable diameter of the **SC-AQUA MARINEX ARAMID MIKRO14** was determined so that the cable lines up precisely with the new strain relief of the HICON HI-MARLIN connectors and guarantees a waterproofness pursuant to IP67. Of course, the cable can also be fitted with standard XLR connectors.

The custom-tailored outer diameter makes this connection easy to handle and assemble with no "fiddling". Owing to its many positive technical properties, the cable is extremely versatile in use. It's a robust, abrasion-proof and cold-flexible microphone cable for outdoor use, for a permanent installation under water and also a reliable cable for 110-ohm applications (AES/EBU and 3-pole DMX transmission).

The internal aramid fibers provide an extra anti-rodent protection and also a heavy-duty strain relief, e.g. when microphones shall be installed free-hanging.

FREE SAMPLE AVAILABLE!

Sectional drawing see website.

Ø mm
6.2

Shielding
95%

mm²
2x0.14

APPLICATIONS:

- Permanent installation at a max. water depth of 20 m (66 ft.)
- Controlling of visual effects
- Abrasion-proof microphone cable for outdoor areas or the OB van
- Outdoor and indoor installation in amusement parks, sports arenas, wildlife parks etc.
- Utilization near the coast and in boat building

PRODUCT ADVANTAGES:

- Diameter adapted to the watertight HICON MARLIN XLR connectors
- Salt- and freshwater, UV and microbe-resistant outer jacket
- Additional aramid fibers inside as strain relief and anti-rodent protection
- Suitable for 110-ohm AES/EBU and DMX (3-pole) applications
- Cold-flexible and reelable

TECHNICAL DATA

Construction:	(2LI2Y0.14 mm ²)(ST)CY
Jacket, diameter:	PUR-SR 6.2 mm, with aramid reinforcement
Inner conductors:	2 x 0.14 mm ² (AWG26)
Copper strands per conductor:	18 x 0.10 mm
Conductor insulation:	PE 1.2 mm
Shielding:	copper spiral + special protective banding
Shielding factor:	95 %
Temperature range:	-40°C ... +80°C
Max. water pressure:	2 bars
Max. water depth:	20 m
Fire load per m:	0.22 kWh
Weight per 1 m:	55 g
Packaging:	per m

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	45 pF
Capac. cond./shield per 1 m:	90 pF
Cond. resistance per 1 km:	140 Ω
Shield. Resistance per 1 km:	< 10 Ω
Insulation resist. Per 1 km:	1 GΩ
Surge impedance:	110 Ω

COLOR/TYPE

- black

ORDER NO.

- 200-0131AQ** **NEW**



ⓧx01713

STUDIO MICROPHONE CABLE DMX, AES/EBU 110 Ω, TRANSVERSELY WATERTIGHT

SALT WATER RESISTANT, HALOGEN-FREE, 4-WIRE, BALANCED

SC-AQUA MARINEX BINARY 422

⊗ STAGE ⊗ MOBILE ⊗ INSTALL ⊗ ELA

ANALOG DIGITAL AQUA HALOGEN-FREE PUR OFC ARAMID

Who can deal with pressure ...

has a clear edge under water. The 4-wire **SC-AQUA MARINEX BINARY 422** audio and DMX cable is the transversely watertight version of our legendary BINARY 434, optimized for the permanent installation under water and in outdoor areas. To make it withstand the high water pressure, the four wires are embedded in a hard PVC tube and the stranded wire pairs were fitted on top with an additional water-blocking tape to seal the cable interior in case of intruding water. The special **SC-AQUA MARINEX PUR** outer jacket is extremely robust, UV- and cold-resistant and also very easy to reel.

Due to the surge impedance of 110 ohms, the **SC-AQUA MARINEX BINARY 422** is also an excellent choice as a high-quality data EIA-485/ RS-485 bus line.

FREE SAMPLE AVAILABLE!

Ø mm
7.0

Shielding
100%

mm²
4x0.22



Sectional drawing

APPLICATIONS:

- Permanent laying in water depths of up to 50 m
- Installation in outdoor zones (e.g. in riding arenas or at longtime events)
- Utilization and installation near the coast or in boat building
- Outdoor and indoor installations in amusement or water funparks
- RS-485 BUS cable in the industrial sector
- Digital control of visual effects

PRODUCT ADVANTAGES:

- Fresh and salt water resistant outer jacket
- 4-wire, shielded for the DMX and BUS transmission
- 110 ohms surge impedance
- Transversely watertight with protective banding and pressure compensating tube
- Cold-flexible and reelable
- UV- and microbe-resistant

TECHNICAL DATA

Construction:	[2(2LI2YS0.22 mm ²)(ST)]CY
Jacket, diameter:	PVC inner jacket 4.7 mm PUR-SR outer jacket 7.0 mm
Inner conductors:	4 x 0.22 mm ² (AWG24)
Copper strands per conductor:	28 x 0.10 mm
Conductor insulation:	PE 1.6 mm
Shielding:	Copper braiding, tin-plated + AL/PT-foil + special protective banding
Shielding factor:	100 %
Temperature range:	-40°C ... +80°C
Max. water pressure:	5 bars
Max. water depth:	50 m
Fire load per m:	0.23 kWh
Weight per 1 m:	75 g
Packaging:	per m

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	40 pF
Capac. cond./shield per 1 m:	108 pF
Cond. resistance per 1 km:	90 Ω
Shield. Resistance per 1 km:	4.50 Ω
Insulation resist. Per 1 km:	1 GΩ
Surge impedance:	110 Ω

COLOR/TYPE

■ black

ORDER NO.

550-0241AQ **NEW**



x01716

SPEAKER CABLES, TRANSVERSELY WATERTIGHT

SALTWATER-RESISTANT, HALOGEN-FREE

SC-AQUA MARINEX SPEAKER

⊗ STAGE ⊗ MOBILE ⊗ INSTALL ⊗ ELA

AQUA HALOGEN-FREE PUR OFC

Tough under pressure ...

are our new **AQUA MARINEX speaker cables** for permanent underwater use. Initially this robust cable was developed for use in theme or amusement parks. However, it also enjoys a great popularity in the installation of extended outdoor events such as Christmas fairs, lake festivals or sporting events under extremely adverse conditions (e.g., equestrian events).

We have reinforced the wire leads internally, encasing them in tight copper braiding, so that the **AQUA MARINEX** can withstand high water pressure as well as mechanical strains and electrical interference. The cables can also be used in the live PA business, of course, but they are somewhat stiffer than standard PVC cables, yet extremely rugged.

4- and 8-wire aramid-reinforced **SC-AQUA MARINEX EL** versions can be found on the following pages.

FREE SAMPLE AVAILABLE!

Sectional drawing see website.

Ø mm
8.2

Shielding
85%

mm²
2x2.5

Ø mm
11.2

Shielding
85%

mm²
2x4.0

APPLICATIONS:

- Permanent install in a maximum water depth of 50 m/160 ft.
- Demanding outdoor installations, such as extended outdoor events
- Installation and usage near the coast and in shipbuilding
- Indoor and outdoor installation in leisure parks and water oases
- Underwater sound reinforcement in theme parks or aqua parks

PRODUCT ADVANTAGES:

- Saltwater and freshwater-resistant outer jacket
- Transversely watertight due to water-absorbing, pressure-compensating protective banding
- Halogen-free
- Cold-flexible and reelable
- UV- and microbe-resistant
- Shielded by a tight copper braiding

TECHNICAL DATA

	SPEAKER 225	SPEAKER 240
Jacket, diameter:	PUR-SR 8.2 mm	PUR-SR 11.2 mm
Inner conductors:	2 x 2.5 mm ² (AWG13)	2 x 4.0 mm ² (AWG11)
Copper strands per conductor:	142 x 0.15 mm	224 x 0.15 mm
Conductor insulation:	PO 2.6 mm	PO 3.8 mm
Shielding:	copper braiding + special protective banding	
Shielding factor:	85%	85%
Temperature range:	-40°C...+80°C	-40°C...+80°C
Max. water pressure:	5 bars	5 bars
Max. water depth:	50 m	50 m
Fire load per m:	0.28 kWh	0.55 kWh
Weight per 1 m:	117 g	178 g
Packaging:	per m	per m

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	90 pF	80 pF
Cond. resistance per 1 km:	< 8.21 Ω	< 5.09 Ω
Shield. resistance per 1 km:	16.2 Ω	8.1 Ω
Insulation resist. per 1 km:	>1 GΩ	>1 GΩ

COLOR/Ø

■ black, PUR-SR, 2 x 2.5 mm²

■ black, PUR-SR, 2 x 4.0 mm²

ORDER NO.

425-0241AQ

440-0241AQ



x00124

LOUDSPEAKER CABLE ARAMID, TRANSVERSELY WATERTIGHT

SEAWATER RESISTANT, WITH ARAMID STRAIN RELIEF

SC-AQUA MARINEX EL

⊗ STAGE ⊗ MOBILE ⊗ INSTALL ⊗ ELA

ANALOG AQUA HALOGEN-FREE PUR OFC ARAMID

The universal all-around solution ...

is now available in the form of the "Multi-Purpose" **SC-AQUA MARINEX EL** speaker cable which is transversely watertight as well as seawater-resistant and rodent-proof.

The transversely watertight outer jacket with integrated water-blocking tape prevents water from intruding, no matter if in continuous underwater use or in moist surroundings like e.g. in tunnel building or sediment technology. Owing to the additional aramid braid, this construction offers an excellent strain relief opportunity plus increased protection against all kinds of rodents. In the special jacket compound we do without the usual chemical additives which are perceived by rodents as "very yummy" and often even as attracting.

FREE SAMPLE AVAILABLE!

∅ mm
13.0

mm²
4x4.0



440



840

APPLICATIONS:

- High-quality speaker cable for permanent underwater installation
- Flexible and easy to reel
- Durable, water-resistant construction for boat- and shipbuilding
- Resilient cable for installations under harsh conditions

PRODUCT ADVANTAGES:

- Transversely watertight due to the special PUR jacket with water-blocking tape
- Rodent protection due to aramid braid
- Highly flexible due to torsion-free construction (X-torsion) and fine litz wire design
- UV-resistant and cold-flexible (-30 °C mobile applications/-40 °C fixed installations)
- Chlorine water resistant

TECHNICAL DATA

	440	840
Construction:	[(4LY4.0 mm ²)(ST)]ZNI1Y	[(8LY4.0 mm ²)(ST)]ZNI1Y
Jacket, diameter:	PUR-SR 13.0 mm, with ARAMID reinforcement and special protective banding	PUR 18.0 mm, with ARAMID reinforcement and special protective banding
Inner conductors:	4 x 4.0 mm ² (AWG11)	8 x 4.0 mm ² (AWG11)
Copper strands per cond.:	126 x 0.20 mm	126 x 0.20 mm
Conductor insulation:	PE 3.8 mm	PE 3.8 mm
Max. tensile strength:	3600 N / 360 kg	3600 N / 360 kg
Temperature range :	-40 °C ... +80 °C	-40 °C ... +80 °C
Fire load per m:	0.95 kWh	2.30 kWh
Weight per 1 m:	285 g	540 g
Packaging:	Sold by meter	Sold by meter

ELECTRICAL DATA

Capac. cond./cond. per 1 km:	90 pF	90 pF
Cond. resistance per 1 km:	4.95 Ω	4.95 Ω
Insulation resist. per 1 km:	500 MΩ	150 MΩ
Rated voltage:	500 V	500 V
Test voltage:	2000 V	2000 V

COLOR

- black
- black

ORDER NO.

490-0231-440AQ NEW
490-0231-840AQ NEW



ⓧx00067

SAT CABLE HD-SDI/HDTV, TRANSVERSELY WATERTIGHT

ANTI AGING (LLX)

SC-AQUA MARINEX ASTRAL LLX

⊗ STUDIO ⊗ INSTALL

ANALOG DIGITAL HDTV OFC AQUA ARAMID

Old as Methuselah ...

while being and looking fit like a young lad. The **SC-AQUA MARINEX ASTRAL-LLX** has a patented construction of carbon screens around its solid wire and insulation plus a protective aluminum-polyester foil beneath the PUR outer jacket. This prevents material fatigue and guarantees constant super low attenuation values as well as 120 dBs of shielding efficiency for decades. Moreover, the two carbon screens stabilize both the solid conductor and the skin-PE insulation. Thus the cable maintains its round shape and electrical values, even after installation. The cable meets the HD-SDI standard and is suitable for long installation distances in large SAT receiving systems.

Of course, like all of our **AQUA MARINEX** cables it is also equipped with the typical water-blocking tape to seal the cable interior in case of intruding water. The special **SC-AQUA MARINEX PUR** outer jacket is extremely robust, UV- and cold-resistant and also very easy to reel.

On top the cable features an integrated ARAMID mesh as anti-rodent protection and for strain relief.

FREE SAMPLE AVAILABLE!

Sectional drawing see website.

∅ mm
8.5

Shielding
100%

∅ Wire
1.13

APPLICATIONS:

- High-end cable for BC and digital SAT systems for a permanent installation under water
- For professional HDTV use
- Demanding installations in outdoor areas

PRODUCT ADVANTAGES:

- Transversely watertight due to the special PUR jacket with water-blocking tape
- Anti-rodent protection by aramid mesh
- Constant post-installation values even for decades due to patented anti-aging construction (LLX)
- Suitable for analog and digital, HDTV transmission quality

TECHNICAL DATA

Construction:	(1.13/5.0) 120 dB
Jacket, ∅: PVC, white	PUR 8.5mm, with ARAMID reinforcement
Inner conductors:	1x1.13 mm (AWG17)
Copper strands per cond.:	Solid copper
Conductor insulation, ∅:	Foam/Skin-PE 5.0 mm
Shielding:	Cu braid tinned + AL compound foil, with special protective banding
Shielding factor:	100 %
Temperature range:	-30 °C...+80 °C
Fire load per m:	0.41 kWh
Weight per 1 m:	88 g
Packaging:	100 m spool
Matching plug:	FM-5.8, FMC-5.7

ELECTRICAL DATA

Surge impedance:	75 Ω ±2 %
Screening attenuation:	> 120 dB
D.C. resistance per km:	inner cond. 17 Ω outer cond. 9 Ω
Attenuation per 100 m (20°C):	100 MHz: 5.6 dB 1485 MHz: 23.0 dB 200 MHz: 7.9 dB 1750 MHz: 25.2 dB 470 MHz: 12.4 dB 2150 MHz: 28.4 dB 862 MHz: 17.0 dB 3000 MHz: 34.8 dB 1000 MHz: 18.6 dB

COLOR

- PUR

ORDER NO.

600-0961AQ-LLX NEW ⓧx01717



VIDEO, INSTRUMENT CABLE 0.6L/3.7 TRANSVERSELY WATERTIGHT RG59 [HD/UHD]

75 Ω, SALTWATER-RESISTANT, HALOGEN-FREE

SC-AQUA MARINEX VIDEO AWG23/0.024"

- STAGE MOBILE INSTALL ELA
- ANALOG DIGITAL AQUA HALOGEN-FREE PUR HD/UHD

Expensive hobbies do not necessarily require ...

an expensive cable. This cable was initially developed for installation in shipbuilding. The **AQUA MARINEX video cable** is frequently used for installations on speedboats or ships to connect audio components or video surveillance monitors.

The 0.6L/3.7 / AWG23 (0.024") cable is small in diameter and has an insulation of solid PE, which makes it suitable for permanent underwater use and tolerant of high water pressure.

Owing to its asymmetrical construction the **AQUA MARINEX** can also be used as an instrument lead or audio-frequency phono cable, as can be seen more and more often, e.g. on luxury motorboats, speedboats or yachts. These virtually indestructible cables have a black UV-resistant outer jacket, which can be painted over using standard paint without negatively affecting the cable's functionality or finish.

FREE SAMPLE AVAILABLE!

Ø mm
6.4

Shielding
90%

Ø Conductor
0.60



Sectional drawing

APPLICATIONS:

- Video cable for permanent installation in shipbuilding, tunnel construction or in sport arenas
- Flexible video cable for the camera supply line on dive sessions
- High-quality phono/audio line for audio signal transmission

PRODUCT ADVANTAGES:

- Solid outer jacket and robust inner structure (PE insulation)
- Reelable
- Cost-efficient underwater variant
- Useable in water depths of 50 m/160 ft.
- Cold-flexible
- Halogen-free

TECHNICAL DATA

Jacket, diameter:	PUR-SR 6.4 mm
Inner conductors:	0.22 mm ² ± Ø 0.6 mm (AWG23)
Copper strands per conductor:	7 x 0.20 mm
Conductor insulation:	PO 3.3 mm
Shielding:	Copper braiding + special protective banding
Shielding factor:	90 %
Temperature range:	-40 °C...+80 °C
Max. water pressure/depth:	5 bars/50 m
Fire load per m:	0.30 kWh
Max. Transmission length:*	83 m (SMPTE 425M, 3G), 62 m (SMPTE 2081, 6G), 42 m (SMPTE 2082, 12G)
Weight per 1 m:	51 g
Packaging:	per m
Matching plug:	BNC0.6/3.7, NBNC75BLP7

ELECTRICAL DATA

Surge impedance:	75 Ω ± 3%
Capac. cond./shield. per 1 m:	70 pF
Cond. resistance per 1 km:	89 Ω
Shield. resistance per 1 km:	12.5 Ω
Velocity factor:	0.66
Attenuation per 100 m (20°C):	100 MHz: 11.2 dB 200 MHz: 16.1 dB 500 MHz: 24.9 dB 800 MHz: 34.8 dB 1000 MHz: 39.4 dB

COLOR ■ black, PUR-SR, RG59 **ORDER NO.** **600-0241AQ**



x00125

VIDEO, INSTRUMENT CABLE 1.2L/4.8 TRANSVERSELY WATERTIGHT [HD/UHD]

75 Ω, SALTWATER-RESISTANT, HALOGEN-FREE

SC-AQUA MARINEX VIDEO AWG18/0.042"

- STAGE MOBILE INSTALL ELA
- ANALOG DIGITAL AQUA HALOGEN-FREE PUR HD/UHD

Deep sea signal security ...

Loss-free video signal transmission underwater is not only a challenge for the deep-sea diver, but for the cable as well. The 1.2L/4.8 / AWG18 (0.042") version is the HD-SDI variant of the **AQUA MARINEX** 0.6L/3.7 / AWG23 (0.024"), but with a gas-injected insulation and double shielding, for high-resolution Full HD picture formats and greater transmission distances. It is designed for permanent use in a maximum water depth of 50 m/160 ft., where it easily handles all kinds of attacks from small aquatic life and excessive water pressure.

Due to its asymmetrical construction the **AQUA MARINEX** may also be used as an instrument or audio-frequency phono cable. It has a black UV-resistant outer jacket, which can be readily overpainted with standard paint without affecting functionality nor finish.

FREE SAMPLE AVAILABLE!

Sectional drawing see website.

Ø mm
7.4

Shielding
90%

Ø Conductor
1.06

APPLICATIONS:

- HD-SDI video cable for permanent installation in shipbuilding, tunnel construction or in sport arenas
- Flexible HD-SDI video cable as camera supply line with dive sessions
- High-quality phono/audio line for the audio signal transmissions
- High-resolution picture transmission, e.g. for use in sediment technology

PRODUCT ADVANTAGES:

- Solid outer jacket and double copper braided shielding
- Reelable and high number of bending cycles
- Useable in water depths of 50 m/160 ft.
- Cold-flexible due to special HD-PUR jacket
- Uncompromising quality mechanically and electrically
- Useable with common 1.2L/4.8 / AWG18 (0.042") BNC connectors
- Halogen-free

TECHNICAL DATA

Jacket, diameter:	PUR-SR 7.4 mm
Inner conductors:	0.88 mm ² ± Ø 1.06 mm (AWG18)
Copper strands per conductor:	7 x 0.40 mm
Conductor insulation:	PO 4.8 mm
Shielding:	2 x Copper braiding + special protective banding
Shielding factor:	90 %
Temperature range:	-40 °C...+80 °C
Max. water pressure/depth:	5 bars/50 m
Fire load per m:	0.38 kWh
Max. Transmission length:*	141 m (SMPTE 425M, 3G), 96 m (SMPTE 2081, 6G), 62 m (SMPTE 2082, 12G)
Weight per 1 m:	81 g
Packaging:	per m
Matching plug:	1-4575-2100-1, BNC1.2/5.0HD

ELECTRICAL DATA

Surge impedance:	75 Ω ± 3%
Capac. cond./shield. per 1 m:	52 pF
Cond. resistance per 1 km:	23 Ω
Shield. resistance per 1 km:	4.95 Ω
Velocity factor:	0.78
Attenuation per 100 m (20°C):	200 MHz: 9.3 dB 1482 MHz: 28.1 dB 470 MHz: 14.2 dB 1750 MHz: 30.3 dB 862 MHz: 21.0 dB 2150 MHz: 34.0 dB 1000 MHz: 23.0 dB 3000 MHz: 41.6 dB

COLOR ■ black, PUR-SR, HD-SDI **ORDER NO.** **605-0241AQ**



x00126

* Data depends on transmitter and receiver. Detailed table at www.sommercable.com → Service → Techn. Info

CAT.6, ARAMID, TRANSVERSELY WATERTIGHT

SALTWATER-RESISTANT, HALOGEN-FREE, WITH ARAMID STRAIN RELIEF, BASED ON CAT.6 SF/UTP

SC-AQUA MARINEX CAT.6 PUR-SR

⊗ STAGE
⊗ MOBILE
⊗ INSTALL
⊗ ELA

ANALOG
DIGITAL
AQUA
HALOGEN-FREE
PUR
OFC
ARAMID

The dream of all IT pros is coming true, ...

even your swimming pool can be integrated into your network environment. The **AQUA MARINEX network cable** has the mechanical construction of a CAT.6 cable to meet the CAT.5e standard (Class D, 100 MHz at 100 m cable length) both in mobile and underwater use with respect to data. It may be used for controlling light signals or other visual effects, for realtime data transmission on dive sessions, as a computer link in sediment engineering, as a transmission cable in fish farming or in tunnel construction.

It's the ideal network line for a high-class installation in shipbuilding. The **AQUA MARINEX network cable** remains flexible at -40 °C/-40°F, which makes it a prime choice for winter events.

FREE SAMPLES AVAILABLE!

Sectional drawing see website.

Ø mm

9.2

Shielding

100 %

Ø Wire

4x2x0.51

BULK CABLE - VARIOUS

APPLICATIONS:

- Permanent install in a maximum water depth of 50 m/160 ft.
- Installation on boats, ships and yachts
- Demanding outdoor installation (e.g., at extended events), in the snow etc.
- Outdoor and indoor installations in amusement parks and water oases
- Reelable, for broadcasting van technology

PRODUCT ADVANTAGES:

- Saltwater and freshwater-resistant outer jacket
- Transversely watertight due to water-absorbing, pressure-compensating protective banding
- Halogen-free, UV- and microbe-resistant
- Cold-flexible and reelable
- With aramid reinforcement for extra strain relief

TECHNICAL DATA

	CAT.6
Jacket, diameter:	PUR-SR 9.2 mm
Inner conductors:	4 x 2 x 0.51 mm
AWG:	AWG24/1
Copper strands per conductor:	1 x 0.51 mm
Conductor insulation:	HDPE
Shielding:	Copper braiding, tin-plated + AL/PT-foil + special protective banding
Shielding factor:	100 %
Temperature range:	-45 °C ... +90 °C
Max. water pressure:	10 bars
Max. water depth:	100 m
Fire load per m:	0.57 kWh
Weight per 1 m:	84 g
Packaging:	per m
Matching plug:	RJ45C6XL, RJ45C6XL-A, NE8XM6, M12-8MC-C6A

ELECTRICAL DATA

Surge impedance:	100 Ω ± 15 Ω		
Maximum length 10 Gbit:	60 m		
Capac. cond./cond. per 1 m:	40 pF		
Insulation resist. per 1 km:	> 5 GΩ		
Velocity factor:	0.68		
Max. section length:	90 m at CAT.5e		
Max. delay:	450 ns @ 100 MHz/100 m		
Max. delay offset (skew):	30 ns @ 100 MHz/100 m		
Attenuation per 100 m (20°C):	1 MHz:	2.8 dB	150 MHz: 24.9 dB
	20 MHz:	8.5 dB	200 MHz: 29.1 dB
	100 MHz:	19.9 dB	250 MHz: 33.0 dB

COLOR

■ black, PUR-SR

ORDER NO.**580-0241AQ**

x00127

AES/EBU, DMX & POWER HYBRID CABLE, TRANSVERSELY WATERTIGHT

SALTWATER-RESISTANT, HALOGEN-FREE, POWER+110 Ω AES/EBU

SC-AQUA MARINEX POWER+DMX

⊗ STAGE
⊗ MOBILE
⊗ INSTALL
⊗ ELA

ANALOG
DIGITAL
AQUA
HALOGEN-FREE
PUR
OFC

A water garden light show...

delights the eyes with light signals programmed in sync to sound in connection with remote-controlled water fountains. The **AQUA MARINEX POWER + DMX** is perfectly suited for this application with its 3 x 1.5 mm²/AWG15 power lines plus a shielded DMX 512 cable, which may also be used for digital AES/EBU or analog sound signal transmission (microphones, active speaker systems, etc.).

Especially for the lighting control at long-term events in or near the water or snow – such as night-time lake festivals, winter games, Christmas fairs, sporting events, in the theater sector or with challenging OB van assignments – the robust **AQUA MARINEX** offers the perfect connection.

Its special saltwater-resistant PUR jacket, its compact construction and its inner layer of waterproof protective banding make it possible to lay this cable underwater permanently down to a depth of 20 m/65 ft.

FREE SAMPLES AVAILABLE!

Sectional drawing see website.

Ø mm

9.4

Shielding

95 %mm²**2x0.14**

Ø mm

9.4

Shielding

95 %mm²**2x0.14****APPLICATIONS:**

- Permanent use in a maximum water depth of 20 m/65 ft.
- Demanding outdoor installation (e.g., with long-term events)
- Installation and usage near the coast and in shipbuilding
- Indoor and outdoor installation in leisure parks and water oases
- Control of DMX lighting consoles incl. power supply lines

PRODUCT ADVANTAGES:

- Saltwater and freshwater-resistant outer jacket in black and white (not chlorine resistant)
- Power line and AES/EBU, DMX in one robust cable
- Transversely watertight due to water-absorbing, pressure-compensating protective banding
- Halogen-free, UV- and microbe-resistant
- Cold-flexible and reelable

Also available in an ARAMID-reinforced version!
(Order No. 500-0251AQ)

**TECHNICAL DATA**

Jacket, diameter:	PUR-SR 9.4 mm / with ARAMID 10,0 mm
Inner conductors (audio/DMX):	2 x 0.14 mm ² (AWG26)
Inner conductors (power):	3 x 1,5 mm ² single wires (AWG15)
Copper strands per conductor:	36 x 0.07 mm
Diameter:	DMX: 3.2 mm
Shielding:	tinned copper spiral (audio/DMX) + special protective banding
Shielding factor:	95 %
Temperature range:	-40 °C...+80 °C
Max. water pressure:	2 bars
Max. water depth:	20 m
Fire load per m:	0.58 kWh
Weight per 1 m:	117 g /with ARAMID 135 g
Packaging:	per m
Matching plug:	HI-MARLIN

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	54 pF
Capac. cond./shield. per 1 m:	120 pF
Cond. resistance per 1 km:	141 Ω
Insulation resist. per 1 km:	1 GΩ
Surge impedance:	110 Ω ± 3%

COLOR

□ white, PUR-SR

■ black, PUR-SR

■ black, PUR-SR, **ARAMID****ORDER NO.****500-0240AQ****500-0241AQ****500-0251AQ** **NEW**

x00184



POWER/LOAD CABLE, TRANSVERSELY WATERTIGHT

SALTWATER-RESISTANT, HALOGEN-FREE

SC-AQUA MARINEX POWER 325

STAGE
 MOBILE
 INSTALL
 ELA
 ANALOG
 AQUA
 HALOGEN-FREE
 PUR
 OFC

Undercurrents are one thing ...

but having a real "current" underwater is quite another, and requires the highest safety standards. This cable is equipped with a robust, high-quality jacket made of thermoplastic PUR (TMPU conforming to EN 50267-2-1 – IEC 60754-1) and has the typical protective band which prevents moisture from penetrating and offers excellent protection from damage.

Of course, the **AQUA MARINEX** series can also be used for live PA work. It should be noted that the cables are slightly stiffer than standard neoprene-coated cables, but their composition makes them virtually indestructible under normal conditions. The **SC-AQUA** power cable remains flexible at $-40\text{ }^{\circ}\text{C}/-40\text{ }^{\circ}\text{F}$, which makes it your prime choice for winter events.

Hydrolysis resistant according to EN 50396, testing procedure compliant to EN 60811. Maximum water pressure 20 bars.

FREE SAMPLES AVAILABLE!



Sectional drawing

Ø mm

9.4

mm²

3x2.5

APPLICATIONS:

- Permanent use in a maximum water depth of 200 m/660 ft.
- Installation on boats, ships and yachts
- Demanding outdoor installations (e.g., at long-term events)
- Installation and use near the coast
- Outdoor and indoor installations in amusement parks and water oases
- Outdoor use in the snow
- Power supply line in sediment and pump engineering

PRODUCT ADVANTAGES:

- Saltwater and freshwater-resistant outer jacket
- Transversely watertight by water-absorbing, pressure-compensating guard band
- Halogen-free
- Cold-flexible and reelable
- UV- and microbe-resistant
- Fine strand construction for a high number of bending cycles

TECHNICAL DATA

Jacket, diameter:	PUR-SR 9.4 mm
Inner conductors:	3 x 2.5 mm ²
Copper strands per conductor:	140 x 0.15 mm
Conductor insulation:	PUR
Temperature range:	$-40\text{ }^{\circ}\text{C} \dots +80\text{ }^{\circ}\text{C}$
Max. water pressure:	20 bars
Max. water depth:	50 m
Fire load per m:	0.48 kWh
Weight per 1 m:	147 g
Packaging:	per m

ELECTRICAL DATA

Insulation resist. per 1 km:	1 GΩ
Operating/nominal voltage:	1,000 V
Test voltage:	3,000 V

COLOR

- black, PUR-SR
- orange, PUR-SR

ORDER NO.

700-0241-0325AQ

700-0245-0325AQ **NEW**



x00128



LED RGBW & CONTROL CABLE TRANSVERSELY WATERTIGHT

UV-RESISTANT, HALOGEN-FREE

SC-AQUA MARINEX LED CONTROL

STAGE
 MOBILE
 INSTALL
 ELA
 ANALOG
 AQUA
 HALOGEN-FREE
 PUR
 OFC

As countless as grains of sand on the seashore ...

are LED cables these days, but only very few are also suitable for sand on the shore. RGBW LED cables are often exposed to such adverse conditions as heat, sand, water or direct sunlight. Most control cables are unsuitable for permanent outdoor installations, because they are not UV-resistant or transversely watertight and will gradually disintegrate if subjected to such extreme conditions. We offer our RGBW LED cable with a halogen-free, UV-resistant outer jacket both for outdoor and indoor installation including an extra "water blocking tape" for the permanent use in, under and by the water. Moreover the AQUA cable is extremely resistant to abrasion, flexible at low temperatures ($-40\text{ }^{\circ}\text{C}/-40\text{ }^{\circ}\text{F}$), temperature-resistant ($+80\text{ }^{\circ}\text{C}/+176\text{ }^{\circ}\text{F}$), sand-repellent, saltwater-resistant and also suitable for mobile applications (tightly braided 0.10 mm/AWG38 class N6 OFCu wires). Of course, it may also be used as a control cable in medical or electrotechnical areas.

FREE SAMPLES AVAILABLE!

Sectional drawing see website.

Ø mm

5.1

mm²

5x0.34

APPLICATIONS:

- Special RGBW LED cable in a 5-wire version (4 wires for color channels + black return)
- Extension of RGB strips/bars or as RGB signal feed line
- For the permanent installation near and under water, maximum water depth 10 m/33 ft.

PRODUCT ADVANTAGES:

- UV-resistant and halogen-free
- Transversely watertight due to "water blocking tape"
- Saltwater-resistant, sand and dirt-repellent
- Ideal for mobile applications
- Temperature-resistant and cold-flexible from $-40\text{ }^{\circ}\text{C}$ to $+80\text{ }^{\circ}\text{C}$ / $-40\text{ }^{\circ}\text{F}$ to $+176\text{ }^{\circ}\text{F}$

TECHNICAL DATA

Jacket, diameter:	PUR-SR 5.1 mm
Inner conductors:	5 x 0.34 mm ² (AWG22)
Copper strands per conductor:	45 x 0.10 mm
Conductor insulation:	PE 1.2 mm
Temperature range:	$-40\text{ }^{\circ}\text{C} \dots +80\text{ }^{\circ}\text{C}$
Max. water pressure:	1 – 2 bars
Max. water depth:	10 m
Fire load per m:	0.24 kWh
Weight per 1 m:	45 g
Packaging:	per m

ELECTRICAL DATA

Capac. cond./cond. per 1 m:	79 pF
Velocity factor:	0.67
Shield. resistance per 1 km:	27 Ω
Insulation resist. per 1 km:	1 GΩ
Test voltage:	1,500 V

COLOR

- black, PUR-SR

ORDER NO.

380-0241-05034AQ



x01443



POWER RUBBER JACKET CABLE

(HAR) FOR HIGH VOLTAGE CURRENT

SC-RUBBERFLEX TITANEX®

⊗ STAGE ⊗ MOBILE ⊗ INSTALL



Sectional drawing

Tried and true ...

for the H07RN-F rubber jacket lead is one of the best-selling cables on the world market. It can be used as a power line for audio components, spotlights and heavy machinery (mechanical engineering) and outdoors as well. This cable is very robust, highly flexible and has an extremely wear-resistant and durable polychloroprene (Neoprene) jacket.

Approved according to VDE 0282, Part 4/HD 22.453, in conformity with the EC Low-Voltage Directive 73/23/EWG (50 – 1000 V AC / 75 – 1500 V DC).

FREE SAMPLE AVAILABLE!

More sectional drawings see website.

APPLICATIONS:

- Power cable for all types of electrical appliances
- Audio technology (light dimmers, spotlights, amplifiers, racks ...)
- Mechanical engineering and agricultural machinery

PRODUCT ADVANTAGES:

- Extremely dependable due to flame-retardant polychloroprene jacket (polychloroprene rubber)
- Very flexible owing to fine wire stranding in compliance with VDE 0293
- Suitable for outdoor use

With the "Powercut PC85" you can make fast, clean and precise cuts (up to 36.00 mm²/AWG2)!



∅ mm
10.0

∅ mm
12.5

∅ mm
15.5

∅ mm
15.0

∅ mm
14.0

∅ mm
19.5

∅ mm
30.5

mm²
3x1.5

mm²
3x2.5

mm²
4x2.5

mm²
5x2.5

mm²
3x4.0

mm²
5x6.0

mm²
5x16.0

TECHNICAL DATA

Construction:	H07RN-F 3x1.5 mm ²	H07RN-F 3x2.5 mm ²	H07RN-F 4x2,5 mm ²	H07RN-F 5x2.5 mm ²
Jacket, diameter:	10.0 mm	12.5 mm	15,5 mm	15.0 mm
Copper strands per conductor:	accord. to DIN 0293	accord. to DIN 0293	accord. to DIN 0293	accord. to DIN 0293
Conductor insulation:	rubber	rubber	rubber	rubber
Temperature range:	-30 °C...+60 °C	-30 °C...+60 °C	-30 °C...+60 °C	-30 °C...+60 °C
Weight per 1 m:	136 g	235 g	96 g	306 g
Jacket color:	■ black	■ black	■ black	■ black
Packaging:	per m	per m	per m	per m
Insulat. resistance per 1 km:	1 MΩ	1 MΩ	1 MΩ	1 MΩ
Test voltage:	2 kV	2 kV	2 kV	2 kV
ORDER NO. TITANEX®	700-0101-0315TI	700-0101-0325TI	700-0101-0425TI NEW	700-0101-0525TI

TECHNICAL DATA

Construction:	H07RN-F 3x4.0 mm ²	H07RN-F 5x6.0 mm ²	H07RN-F 5x16.0 mm ²
Jacket, diameter:	14.0 mm	19.5 mm	30.5 mm
Copper strands per conductor:	accord. to DIN 0293	accord. to DIN 0293	accord. to DIN 0293
Conductor insulation:	rubber	rubber	rubber
Temperature range:	-30 °C ... + 60 °C	-30 °C...+60 °C	-30 °C...+60 °C
Weight per 1 m:	320 g	590 g	1540 g
Jacket color:	■ black	■ black	■ black
Packaging:	per m	per m	per m
Insulat. resistance per 1 km:	1 MΩ	1 MΩ	1 MΩ
Test voltage:	2 kV	2 kV	2 kV
ORDER NO. TITANEX®	700-0101-0340TI NEW	700-0101-0560TI	700-0101-05160TI



ⓧ x00130



POWER MULTI-CONDUCTOR CABLE

LOAD CABLE

SC-ATRIUM FLEX

 STAGE  MOBILE  INSTALL  X-TORSION

Your hair will stand on end ...

if the power cable is badly insulated. Where electricity flows, the quality of the jacket material and the wire insulation are vitally important, because a short circuit can really mess up your hairdo!

The strand wire construction of the **SC-ATRIUM FLEX** was designed in compliance with VDE 0295. The wire insulation is clearly numbered, the protective conductor in the outer layer is marked in green/yellow. The cable is extremely abrasion-proof, firm and resistant to aggressive environmental influences.

The black version with strong PVC jacket is extremely flexible and rugged.

The 18 x 2.5 mm²/AWG13 with 12 x black + 6 x green/yellow is suitable for use according to the DIN15765 standard.

FREE SAMPLE AVAILABLE!

Sectional drawing see website.

APPLICATIONS:

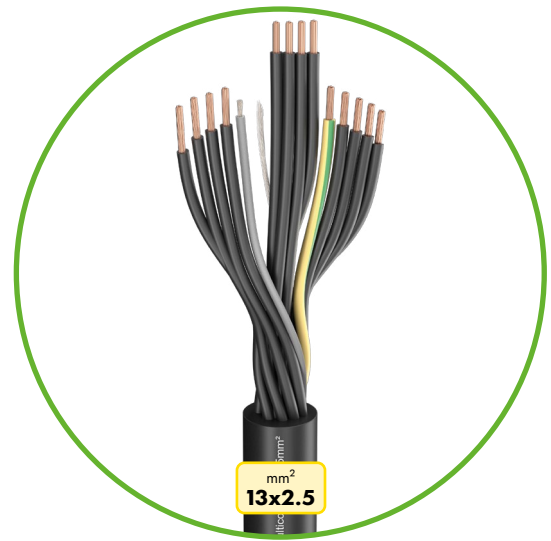
- Lighting technology and other load circuits
- For all types of machines
- Automation technology

PRODUCT ADVANTAGES:

- Space-saving diameter due to special insulating materials
- Extremely abrasion-proof and firm due to special PVC jacket
- Wires are clearly identified by number (VDE 0250)

STRONG SPVC


Ø mm 9.1	Ø mm 13.8	Ø mm 16.1	Ø mm 14.7	Ø mm 18.1
mm ² 4x2.5	mm ² 13x1.5	mm ² 13x2.5	mm ² 18x1.5	mm ² 18x2.5

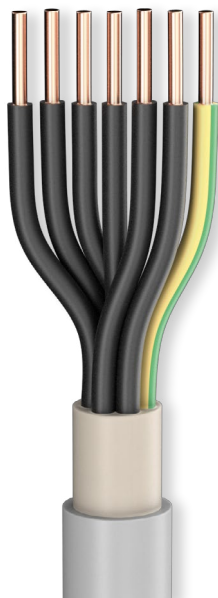


TECHNICAL DATA

Construction:	FLEX JZ 4x2.5 mm ²	FLEX JZ 13x1.5 mm ²	FLEX JZ13x2.5 mm ²
Jacket, diameter:	PVC 9.1 mm	PVC 13.8 mm	PVC 16.1 mm
Copper strands per cond.:	accord. to VDE 0295	accord. to VDE 0295	accord. to VDE 0295
Conductor insulation:	Special PVC	Special PVC	Special PVC
Temperature range:	-20 °C...+70 °C	-20 °C...+70 °C	-20 °C...+70 °C
Fire load per m:	0.45 kWh	0.74 kWh	0.86 kWh
Weight per 1 m:	154 g	350 g	506 g
Jacket color:	■ grey	■ black	■ black
Packaging:	100 m, per m	100 m spool, per m	100 m spool, per m
Test voltage:	4 kV	4 kV	4 kV
ORDER NO.	700-0056-0425	700-0051-1315	700-0051-1325

TECHNICAL DATA

Construction:	FLEX JZ 18x1.5mm ²	FLEX JZ 18x2.5mm ²	
Jacket, diameter:	PVC 14.7 mm	Strong-PVC 18.1 mm	
Copper strands per cond.:	accord. to VDE 0295	accord. to VDE 0295/DIN15765	
Conductor insulation:	Special PVC	Special PVC	
Temperature range:	-20 °C...+70 °C	-20 °C...+70 °C	
Fire load per m:	0.88 kWh	0.96 kWh	
Weight per 1 m:	429 g	630 g	
Jacket color:	■ black	■ black	
Packaging:	100 m, per m	per m	
Test voltage:	4 kV	4 kV	
ORDER NO.	700-0051-1815	700-0051-1825	 x00131

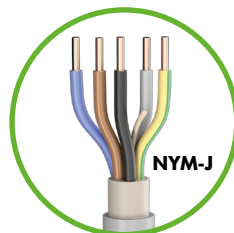


POWER CABLE, PVC JACKET LINE, FIXED INSTALLATION NYM-O & NYM-J

PURSUANT TO DIN VDE 0250, PART 204

NYM-O & NYM-J

INSTALL ELA
 ANALOG OFC



x00132

TECHNICAL DATA

Construction:	NYM-O/NYM-J
Jacket material:	PVC, flame-retardant and self-extinguishing pursuant to VDE 0482-332-1-2 / IEC 60332-1
Inner conductor:	≤ 10.0 mm ² solid Cu wire, ≥ 16.0 mm ² multi-wire
Conductor insulation:	PVC, TII pursuant to DIN VDE 0281, wire color pursuant to DIN VDE 0293
Temperature range:	-40 °C ... +70 °C (immobile) +5 °C ... +70 °C (moving)
Jacket color:	■ gray (RAL 7035)
Packaging, P.U.:	Cable bulkware

ELECTRICAL DATA

Insulation resistance/km:	> 20 MΩ
Operating/rated voltage:	350/500 V
Test voltage:	2000 V

NYM-J inner conductor from 1.5 mm² - 35.0 mm²
ORDER No.: 720-0016-.....

NYM-O Inner conductor from 1.5 mm² - 16.0 mm²
ORDER No.: 720-0036-.....

Available cables see price list or under
www.shop.sommercable.com

BULK CABLE - VARIOUS



(N)YM-(ST)-J

INSTALL ELA
 ANALOG OFC TERRA



x00133

TECHNICAL DATA

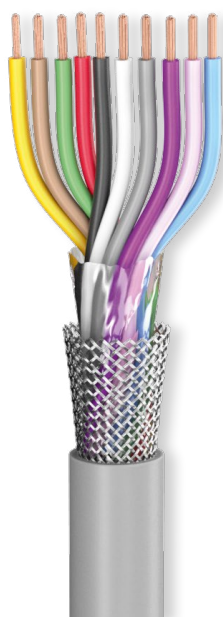
Construction:	(N)YM-(ST)-J
Jacket material:	PVC, flame-retardant and self-extinguishing pursuant to VDE 0482-332-1-2 / IEC 60332-1
Inner conductor:	Solid Cu wire
Conductor insulation:	PVC, TII pursuant to DIN VDE 0281, wire color pursuant to DIN VDE 0293
Shielding:	AL/PT foil + tinned drain wire
Temperature range:	-40 °C ... +70 °C (immobile) +5 °C ... +70 °C (moving)
Jacket color:	■ gray (RAL 7035)
Packaging, P.U.:	Cable bulkware

ELECTRICAL DATA

Insulation resistance/km:	>20 MΩ
Operating/rated voltage:	350/500 V
Test voltage:	2000 V

(N)YM-(ST)-J Inner conductor from 1.5 mm² - 10.0 mm²
ORDER No.: 720-0056-.....

Available cables see price list or under
www.shop.sommercable.com



CONTROL CABLE (LIY-CY)

PURSUANT TO DIN VDE 0245, 0812; FLEXIBLE, EMC – OVERALL CU MESH, SELF-EXTINGUISHING AND FLAME-RETARDANT PURSUANT TO DIN EN 60332-1-2

SC-CONTROL FLEX

MOBILE STUDIO INSTALL ELA
 ANALOG OFC

TECHNICAL DATA

Construction:	LIY-CY
Jacket:	PVC, self-extinguishing and flame-retardant
Cu-Litze per Ader:	pursuant to DIN VDE 0295, class 5
Conductor insulation:	PVC, self-extinguishing and flame-retardant
Shielding:	Tinned Cu mesh
Optical coverage:	90 %
Temperature range:	-40 °C...+80 °C (immobile bewegt) -10 °C...+70 °C (moving)
Jacket color:	■ gray (RAL 7032)
Packaging, P.U.:	100/500 m (328/1.640 ft.) reel

● Cable availability check upon request or by scanning the QR codes



x00134

ELECTRICAL DATA

Wire/wire capacitance / m:	120 pF
Wire/screen capacitance / m:	240 pF
Conductor resistance / km:	<138 Ω
Insulation resistance / km:	>200 MΩ
Operating voltage:	350 V / 500 V (>0.25 mm ²)
Test voltage at 50 Hz:	1500 V (wire/wire) 1000 V (wire/screen)

LIY-CY inner conductor from 0.14 mm² - 0,75 mm²
ORDER No.: 380-0056-.....

Available cables see price list or under
www.shop.sommercable.com

Things to know about cables

Earth, water, sun and fire

A good cable can be exposed to all these forces of nature – provided you take certain conditions into account.

Water

Cables with a high-quality soft-PVC jacket may indeed be exposed to constant rain without affecting their function.

We are often asked if an audio or video cable with a PVC jacket can withstand dive sessions, e.g. in connection with underwater cameras. This is possible without problems as long as the cable is given enough time after the dives to become dry again. Also, brief installations under water are possible, but this depends on the water depth and the water pressure involved. Unfortunately, only empirical values are relevant here, because there

aren't any constructive technical specifications for this kind of cable. A PVC jacket is not suitable for permanent installations underwater; likewise, cables with an FRNC jacket are unsuitable due to the porous jacket compound.

For this task custom-made **longitudinally or transversely watertight cables** are required. The wires of which are insulated by uncured rubber (longitudinally watertight) or a special tape (transversely watertight). In some cases the cables are additionally armored with a metal or polyamide fiber braid and given a petroleum jelly filling for pressure compensation. Longitudinally watertight armored cables are used e.g. in shipbuilding or road construction.

Sun

Cables are not UV-resistant in general; especially colored cables may react very sensitively to direct sunlight. To avoid premature aging due to UV radiation, an additive must be added to the colored granulates. We do this, among other things, with certain white cables to prevent them from becoming yellow too soon. If you want to be on the safe side, **always choose a black outer jacket**. SOMMER CABLE uses high-quality black soft-PVC, PMB and PUR outer jackets which will not get sunburnt even under sustained and direct sunlight.



Simply good vibes.

Fire

Of course, musicians would never go on with their performance when the place around them is on fire. But why are fire-proof cables nonetheless so important? Many permanently installed cables are connected to alarm devices or loudspeakers (e.g. for announcements) and thus serve as safety in case of fire. In the event of a fire, you don't want cables releasing toxic and numbing gases (zero-halogen policy).

Since July 1st, 2017, cables and leads, which are permanently installed in buildings, are subject to the European Construction Products Regulation. This offers a list of European-wide standardized assessments into fire classes according to flame retardancy, smoke development and freedom from halogens. For more detailed information about the fire behavior of cables, visit the section MEANING OF THE SYMBOLS – "PROPERTIES" in our catalog or check out stop by at the bulk cable section on our webpage www.sommercable.com and click on the buttons of the respective cables.



Earth

For **underground installation** or permanent underwater installation we recommend **transversely watertight cables**. Almost all cables fitted with a high-quality insulation (preferably with a PE jacket) are transversely watertight, yet, during installation, one needs to make sure that the cables are pulled into HDPE protective pipes which must be sealed against moisture penetration on both sides.



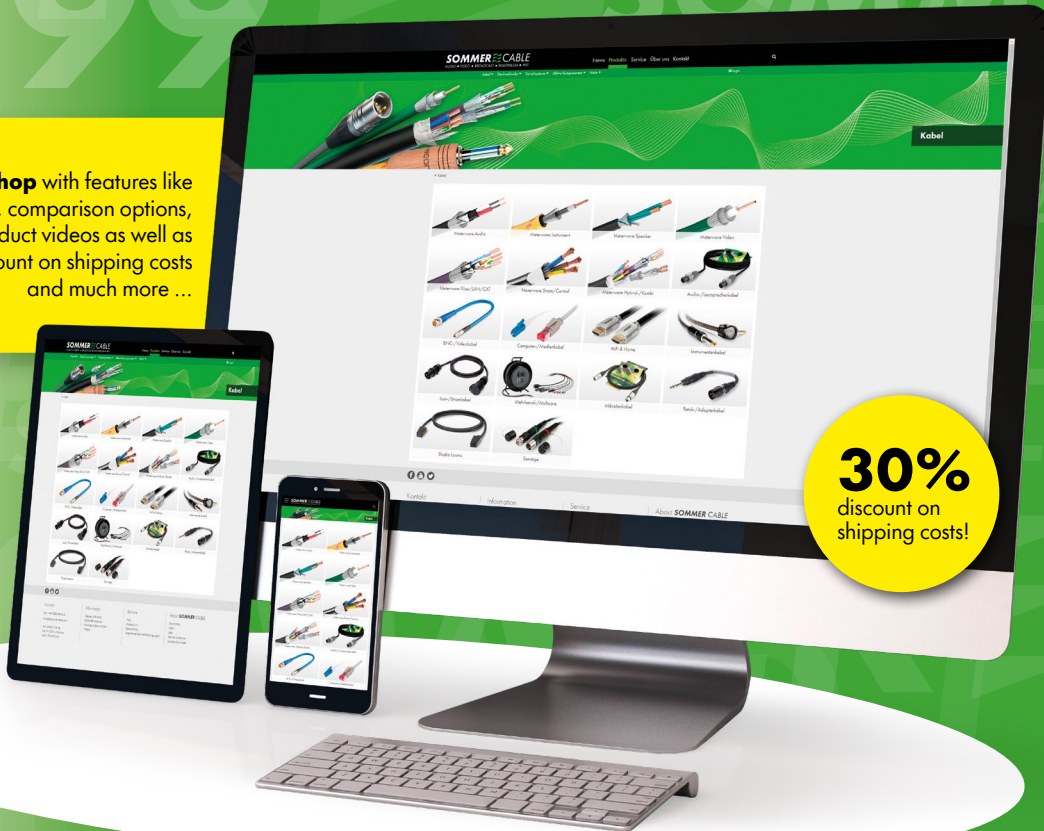
If no protective pipes are planned, we recommend the **transversely watertight SOMMER CABLE** products of the **AQUA MARINEX** series. Depending on the model, these are designed for permanent use in water depths between 20 and 50 m and are protected against intruding water by a protective tape. Please note that there is no official approval for this application.

since

1999

SOMMER CABLE

Visit our **B2B shop** with features like system configurator, comparison options, product videos as well as **30 % discount** on shipping costs and much more ...



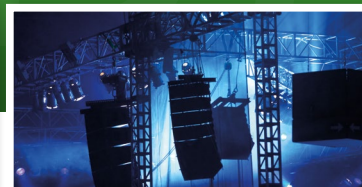
Installation & Conference



Broadcast Solutions



Professional Studio



Event Technology



SOMMER CABLE based in Straubenhardt/Germany was founded in 1999 and is now one of the leading suppliers of professional high-quality cable and connection technology with a focus on the audio, video, broadcast, studio and media technology sectors. The product range including the in-house brands HICON, CARDINAL DVM and SYSBOXX covers cable bulkware, connectors, connection cables, individually adaptable distribution systems and electronics.

B2B shop with over 25,000 products is available 24/7.



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