

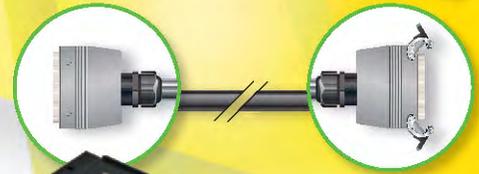
MULTICORE & POWER DISTRIBUTION SYSTEMS



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OUR ITEM NUMBERS IN THE "MULTICORE & POWER DISTRIBUTION SYSTEMS" SECTION

The method to the madness...

The following table explains the logic behind the item numbers we use for our ready-made cables and systems.

The item number consists of the following groups, so with a little practice you can easily configure your desired cable. Refer to the existing catalog item numbers and send us a special request, if you do not find it in the catalog. We can quote you a price within minutes, and in most instances during the same telephone call.

QMT9-M24/08H0500

QM	T9	-	M	24/08	H	0500
Cable code	Connector code	Accessories	Configuration	Inputs/outputs (or send/return)	Fanout length alphabetical coding	Cable length in cm*
<p>The first two digits of the item number specify the cable used here. For instance, "QM" stands for the QUANTUM, "PN" for the SC-PLANET, "TF" for the TRANSFER. If the cable is brought into a stagebox on one side, we alter the cable code accordingly in the following examples: "PQ" stands for "Plugmama" with QUANTUM, "XQ" for "THE BOXX MK3" with QUANTUM.</p>	<p>The 3rd and 4th digit of the item number stand for the respective connectors. "T9" stands for a male 108-pole multi-pin connector (in cable housing with latching clamp) ⇔ HICON XLR, 24 x HI-X3CM-G and 8 x HI-X3XF-G (with gold-plated contacts) on the breakout side.</p> <p>Another example: QMTN-M24/08-1000: Cable QUANTUM, male 108-pole multi-pin connector ⇔ NEUTRIK XLR, 24 x NC3MXX and 8 x NC3FXX</p>	<p>With the 5th digit of the item number the corresponding accessories are selected.</p> <p>However, a hyphen at this place indicates that we deliver the cable without accessories.</p> <p>In the following examples, the 5th digit indicates the different reels that the cable is spooled upon.</p> <p>Examples:</p> <ul style="list-style-type: none"> • QMMBHM24/00-1000: The cable is reeled on a HT reel by SCHILL. • QMMBKM24/00-1000: The cable is reeled on a SK46 reel by SCHILL. 	<p>The configuration is to distinguish between a separate ("M") or common ("Z") ground wiring scheme. Specific company configurations such as "T" for Tascam or "Y" for Yamaha are also determined at this place within the item number.</p>	<p>This figure determines the number of inputs and outputs.</p> <p>In this example (...24/08...) we have 24 male XLRs on the input side and 8 female XLRs on the output side.</p> <p>Another example: ...20/12... → 20 XLRs male and 12 XLRs female.</p> <p>When adding the number of inputs and outputs together, you will automatically get the wire total of the required multicore cable. In both cases a 32-pair cable would be needed.</p> <p style="text-align: center; color: green;">NEW!</p> <p>For all hybrid cables with power connector select the suitable mains plug for your country! To do so, replace the "/" (in the example 24/08) by the country code:</p> <p>A for USA C for Switzerland F for France or Belgium U for UK</p>	<p>Specify your fanout length!</p> <p>The letter code replacing the dash before the length specification will determine the fanout length. The length is alphabetically coded in steps of 0.10 m/4" (available lengths from 0.10 m/4" to 2.60 m/8.5 ft.):</p> <p>A stands for 0.10 m B for 0.20 m C for 0.30 m ... X for 2.4 m Y for 2.5 m Z for 2.6 m</p> <p>H would therefore equal 0.80 m of fanout length.</p> <p>Note: If you don't replace the dash, we will deliver the standard fanout length as indicated! (1.20 m/4 ft. in most cases.)</p>	<p>Individual lengths are available: please note that the lengths specified always include the connectors. (Thus a cable of 1 m may have only 90 cm of net cable length between the connectors.)</p> <p>Lengths beyond 100 m are indicated as follows: 1H00 for 100 m, 1H50 for 150 m, etc.</p> <p>*In order to adapt the cable length, please convert feet to cm or otherwise send a request with the needed length (in feet) to info@sommercable.com</p>

► General information

Multicore Systems

In professional event technology, multicore cables are used as a lifeline between the stage and the necessary sound mixing consoles. These cables combine a varying number of audio lines, wired and shielded as braided pairs, in one common insulating sheath. The cable properties are designed to withstand even heavy-duty use on the road. Due to the individual install which differs with every venue and stage construction, it must be flexible and torsion-free, no matter if the sun heats up the cable to 50°C/122°F at a summer open-air event or if the winter brings freezing temperatures down to -20°C/-4°F. Of course, it should also have a strain relief and be resistant to heavy boots on stage.

Signal sources on the multicore:

Dynamic microphones have a signal output level between approximately -50 dBu and -35 dBu at 200 Ω source impedance, depending on the sound pressure level of the instrument or voice that you need to pick up. By way of contrast, **condenser microphones** have an integrated amplifier which raises the transmission level to about -40 dBu to -30 dBu. In this case the multicore must also transmit the required 48 VDC phantom power provided by the console. Good grounding is essential in this context.

DI boxes are used on stage as an interface between high-level LINE outputs (like from keyboards or instrument amplifiers). Depending on the source, DI boxes have an output level of about -40 dBu to -20 dBu. The built-in transformer provides potential isolation and matches the impedance to the console input.

First of all: in a multicore cable of the category **"wired and shielded as braided pairs"**, a crosstalk effect cannot be eliminated completely, but can be minimized if you abide by the rules of consistently balanced cabling between source and mixing board. Depending on the product and price range, mixing consoles have a crosstalk attenuation of max. 90 dB/100 m / 27.4 dB/100 ft. between single channels (at 1 kHz and nominal level). The multicore system needn't be superior, but you should also make sure that it isn't inferior. The weak spot is the connector at the end of the multicore system. Due to its design and the contact placement, crosstalk will occur here for physical reasons. However, sufficient crosstalk attenuation values are achieved within the connectors we use, as they are far superior to most mixing consoles.

The cable shields – commonly grounded or separately implemented?

For the sheer reason of crosstalk attenuation improvement, we give preference to separate grounding.

In a metaphorical sense, the multicore is an extension link for balanced audio lines connecting the audio sources up on stage to the inputs of the mixing desk in the hall. **Therefore, it seems quite logical and sensible if we stick to separate shielding on the extended path from the socket connector on stage (via the multicore) to the socket connector on the mixing desk.**

Another argument emerges from the ground "potential:" i.e., the point within the system where the screening/s is/are connected to ground, and thus connecting with the PE potential of the location's low-voltage power grid. Basically, this should be the input of the mixing console. This is the central point where all the screens of the multicore system are linked to each other. Here we find all screen connections centrally joined, irrespective of the moment, whether on the XLR or the phone plug on the 0 V = ground potential of the internal power supply and thus on PE potential.

With consistently balanced cabling that uses separate shielding for each single line, the XLR input socket on the stagebox is precisely equivalent to the console input to which it is linked. If you connect a condenser microphone here and activate phantom power on this channel, the operating current of the microphone will only flow through this channel.

The separate shielding has even greater benefits when connecting mains-powered audio sources. In most cases we may well assume that down in the hall, where the mixing console has been placed, the PE potential at the power socket will not be exactly identical to the PE potential at the power socket up on stage.

If a mains-powered device is connected with its output to the stagebox, compensating currents may be introduced via the shielding of the audio line, resulting in a classical ground loop. With separate shielding in most cases only this single channel will be affected. Trouble-shooting is relatively easy; inserting a DI box in that line with GND lift (XLR pin 1 isolated) will eliminate the problem. However, if all screens are joined at the stagebox or in the connector and several mains-powered sources are connected, the humming noise can multiply. Not only will potential compensating currents drain off via the console; they will also flow between the connected devices via the common shielding.

One remedy that has spread around among "stage practitioners", but is hazardous, is when the ground wire is taped or disconnected on devices or power cables. This may lead to temporary sonic success, but is nevertheless EXTREMELY DANGEROUS.

A popular misconception to help save costs is by joining the screens because only the a-wire and the b-wire of a line must be crimped and more audio lines can be used on each connector. However, it is neither the connector, nor the cable, nor the crimping contacts that produce costs there – it is ultimately the technician, who has to braid, solder and connect everything to the screens. Often the screens are then linked to the PE terminal of the connector.

Here, again, the safety aspect is neglected. The terminal on the connector has been marked as CHASSIS = PE terminal by the manufacturer. The connector housing is conductive and must lie on PE potential according to VDE 0100. Doing it any other way is unfortunately forbidden, and we should stick to this protocol. Screens just do not belong at this terminal.

The construction of stagebox and multicore systems is not just a matter of pure signal transmission. After all, you don't want the technology of setting up at a gig have to be so frustratingly complex that it takes all the joy out of public performance for the many amateur musicians and weekend warriors who are simply trying to show off their talents and be more social. Here it's about tough real-world gigs that just won't allow you to go trouble-shooting for hours. This could easily be avoided with careful planning and spending a little more money.

Audio ▶ Stageboxes/reels with XLR breakout ▶ **STAGEBOXES & MULTIPAIR SYSTEMS**

STAGEBOXES AND MULTIPAIR SYSTEMS

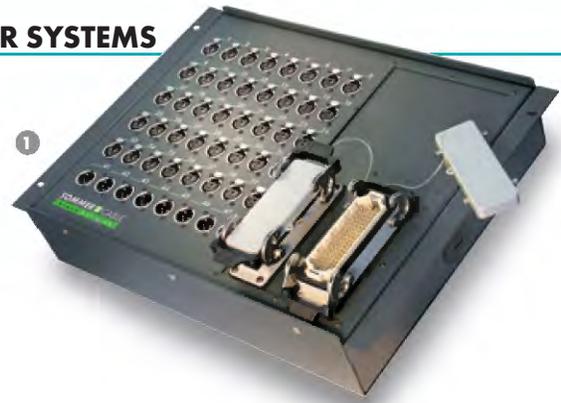
Music is the connecting link...

... and the musicians are linked to the stagebox. This device groups the input signals coming from the connected stage instruments and feeds them to the mixing board in the hall or studio control room. The output connectors of the stagebox are used to connect the stage monitors and for monitoring the stereo master signal. For this reason the input and output connectors on the stagebox are designed as pairs, for example: 16 inputs and 4 outputs or 24 inputs and 8 outputs, etc.

Microphone cables are always balanced (i.e., 2 conductors + shielding). For each field of application there is the right stagebox configuration. So for the short distances on stage we recommend a stagebox with 8 to 24 channels and a multipair cable directly attached to the box **(2) + (3)**. With a maximum cable length of about 33 meters/110 feet, these systems are still man-portable.

Beyond 32 channels we recommend using a different configuration: a multi-pin mounting plug **(4)** is installed on the stagebox that rests on the floor and the multipair cable is reeled on a cable reel. For all directly wired stagebox systems the specified cable length includes the internal wiring (approximately 0.4 m/1.3").

All multipin systems are delivered with protective bags!



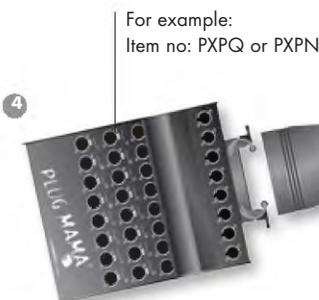
An even better solution is to mount the stagebox in a 19" rack **(1)** and fit it with standard multi-pin connectors. Good to know: In the pro audio industry there is no such thing as a standard configuration. You decide whether the "multipin female" or the "multipin male" is to be installed in the stagebox, on the extension cable or the adapter. However, to guarantee a certain compatibility with other suppliers or systems of a local pro audio rental company, we advise you to install multipin plugs on the box and spliced adapter and also a multipin socket on either side of the extension piece.

Our SYSBOXX system is ideal for all kinds of special solutions such as sub-multicore inputs on the 19" stagebox. More details are available under www.sysboxx.com.

To give you a better overview we have listed some of the most important connecting options:



MULTICORE & POWER DISTRIBUTION SYSTEMS



All our wired multipin connectors are supplied with a protective bag!



For example: Item no: QMUD

For example: Item no: PNMA

Audio ▶ Stageboxes/reels with XLR breakout ▶ **GROOVE+**

STAGEBOX TO MULTIPAIR FANOUT AT THE CABLE END

Simply ingenious...

Our system **GROOVE+** is a well-priced stagebox, completely pre-wired with a permanently installed multipair cable. The system is space-saving, very affordable and can be put to service immediately. The **GROOVE+** stagebox is perfect for the sub-distribution on reel sets, easy stage jobs and for the quality-minded, cost-sensitive newcomer in the music business. It also works well for semi-professional live sound applications for medium-sized events. There is no need to compromise even at a budget price: The **GROOVE+** system is made of robust steel panels with a scratch-proof surface. As with all SOMMER systems, the numbers are screen printed. We supply the **SC-QUANTUM HIGHFLEX** or **SC-MISTRAL** multipair cable with paired insulation and shielding

and use quality **HICON** connectors. The stagebox inputs and outputs and also the breakout are clearly numbered.

The inputs and outputs are easy to identify through the use of different colors. For information on the fanout length see the "Support" chapter.

Special lengths are available on request.

For wiring diagrams see www.sommercable.com/service. Other configurations are shown on the following pages.

APPLICATIONS:

- Clear and functional stage and studio stagebox
- Affordable and dependable system for newcomers and semi-professionals
- Perfect for on-stage sub-distribution

PRODUCT BENEFITS:

- Excellent price/performance ratio
- Extremely lightweight and space-saving
- Short delivery times
- Separate grounding
- High-quality shielded and flexible multipair cable



Stagebox „miniGROOVE+“, pre-wired, 1.5 mm steel panel, SC-MISTRAL

Configuration	ORDER NO.-LENGTH (Please append length in cm to ORDER NO.)	15 m	33 m
8 in / 0 out	HMAN-M08/00-LENGTH		
8 in / 4 out	HMAN-M08/04-LENGTH		
12 in / 0 out	HMAN-M12/00-LENGTH		

Stagebox „GROOVE+“, pre-wired, 2.0 mm steel panel, SC-QUANTUM HIGHFLEX

Configuration	ORDER NO.-LENGTH (Please append length in cm to ORDER NO.)	15 m	33 m
16 in / 4 out	XQAN-M16/04-LENGTH		
24 in / 8 out	XQAN-M24/08-LENGTH		



Order example: stagebox with 33 m cable length, 24 to 8 configuration: XQAN-M24/08-3300



HMAN-M08/00-1500

HMAN-M08/04-1500

Robust and scratch-resistant casing equipped with HICON connectors

XQAN-M24/08-1500

Robust stage multicore with paired insulation and shielding **SC-QUANTUM**

HICON HI-XCF3NP-BLK with number rings

HICON HI-XCM3NP-BLK with number rings

Audio ▶ Stageboxes/reels with XLR breakout ▶ **PLUG MAMA MK II****STAGEBOX WITH MULTIPAIR BREAKOUT,
PERMANENTLY INSTALLED***A beautiful, ergonomic mama:*

Excellent transportability due to the ergonomic carrying handle. Perfect for the flexible band who require a cable no longer than 50 m / 165 ft.

A unique and sophisticated design...

... is the main feature of this stagebox. The patch-panel surface is slanted. The XLR cables will no longer protrude and therefore cannot be bent.

PLUG MAMA MK II is appealing in appearance and clearly structured, and nobody will trip over the "darn thing".

The **PLUG MAMA MK II** is a reasonably priced, professional, completely pre-wired stagebox of clean and functional design. We use high-quality components such as our flexible **QUANTUM HIGHFLEX** multipair cable with single insulated, shielded and numbered wire pairs plus HICON or NEUTRIK connectors.

The steel body is incredibly robust and scratch-resistant. The input connectors are clearly separated from the output connectors, and the outputs are exactly where they belong, i.e. on the rear side of the box!

For reasons of clarity the large numbers have been placed slightly to the right where they won't be hidden behind the locks on the XLR sockets. The small **PLUG MAMA MK II PM 12/4** is ideal for the sub-distribution of drums and is only half as wide as the box shown here.

**The standard lengths for multipairs are
10, 25, 33 or 50 meters / 32, 82, 108 or 165 feet
Each cable end has a 1.2 meter / 3.9 feet fanout.**

For wiring diagrams – see www.sommerscable.com/service

APPLICATIONS:

- Sophisticated stage and live stagebox
- Sub-distribution for keyboards or drums
- Permanent installation
- For floor and wall mounting

PRODUCT BENEFITS:

- Separate grounding
- Space-saving and linkable due to modern and ergonomic slanted design
- No tripping risk due to lateral outlet of connection cables
- Better visibility even in dim light, since the inputs are clearly separated from the outputs
- Extremely durable owing to the use of a single insulated and shielded multipair cable and HICON connectors
- Super scratch-resistant due to double special lacquer coating
- Large and clear numbering for inputs and outputs
- Also available with XLR/jack plug combo sockets – on request

PLUG MAMA**How can you make a product manager happy?**

Quite simple: just let him win something. Our **PLUG MAMA MKII** stagebox was voted the "Accessory of the Year 2007" by the readers of Germany's **SOUNDCHECK** music magazine! Of course we were delighted, all the more because some of our customers didn't really appreciate the modern design when it came out in early 1999. The Plug Mama with its unique slanted console design and the practical carrying handle – at exactly the right place – set the trend for follow-up competitors. Meanwhile this box is regarded both as a brand name and cult object by musicians, and event technicians love to use it.

We are very happy with this award and would like to say thank you to our customers, to **SOUNDCHECK** magazine and to its readers!

**PM-LITE PLUG MAMA**

x01416

There will be light...

... once you install the **PM-LITE** lighting system in your **PLUG MAMA MK II**. Many customers asked us to design a stagebox with an on-board light. We installed a green high-performance LED strip with a switch underneath the handle of the **PLUG MAMA MK II**. Power is supplied by a 9 V battery. To order the PM-Lite, simply replace the dash at the fifth position of the order number with an „L“. See order example on the following pages.

ORDER CODE	DESCRIPTION
„L“	Lighting kit with 9 V compartment, Green LED and switch, for PLUG MAMA MK II



Gundy Keller is simply crazy about our cables...



HICON Panel-mount locking connectors

Made in Germany

Robust stage multicore cable with pair insulation and shielding
QUANTUM HIGHFLEX

High quality, numbered HICON XLR connectors

Our tip: **BREAKOUT BAG** ...the practical protective bag for your fanout. Simply add it to your order! For details - refer to "Hardware & Accessories".

Configuration	ORDER NO.-LENGTH <i>(Please append length in cm to ORDER NO.)</i>	10 m	25 m	33 m	50 m
8 in / 0 out	PQAN-M08/00-LENGTH				
8 in / 4 out	PQAN-M08/04-LENGTH				
12 in / 0 out	PQAN-M12/00-LENGTH				
12 in / 4 out	PQAN-M12/04-LENGTH				
16 in / 4 out	PQAN-M16/04-LENGTH				
16 in / 8 out	PQAN-M16/08-LENGTH				
20 in / 4 out	PQAN-M20/04-LENGTH				
20 in / 8 out	PQAN-M20/08-LENGTH				
24 in / 4 out	PQAN-M24/04-LENGTH				
24 in / 8 out	PQAN-M24/08-LENGTH				
Lighting kit	Order code "L" at 5th position				



x01493

Order example: Stagebox cable length 33 m, 24 in 8 configuration with lighting and combi sockets: PQANLM24/08-3300

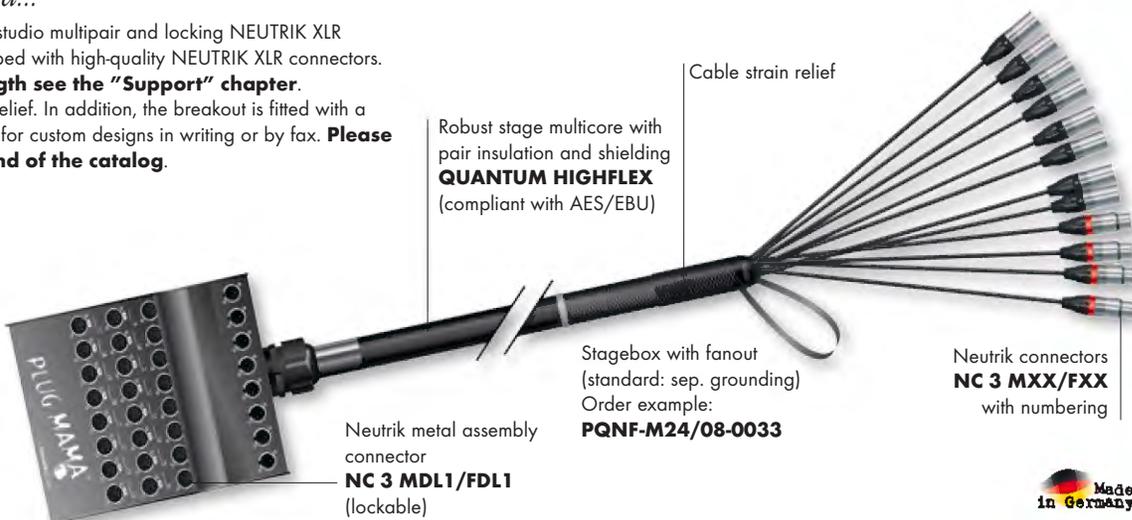
Audio ▶ Stageboxes/reels with XLR breakout ▶ **PLUG MAMA MK II PROFESSIONAL**

STAGEBOX PROFESSIONAL to multipair fanout on cable end

A high-class, sturdy mama...

... assembled with a highly flexible studio multipair and locking NEUTRIK XLR connectors. The cable end is equipped with high-quality NEUTRIK XLR connectors. For information on the **fanout length see the "Support" chapter**. The body has a metal cable strain relief. In addition, the breakout is fitted with a wire strain relief. We accept orders for custom designs in writing or by fax. **Please use the request form at the end of the catalog.**

The wiring diagrams are shown at www.sommercable.com/service.
Outside measurements: see chapter on "Hardware & Accessories"/Empty Housings



Cable strain relief

Robust stage multicore with pair insulation and shielding
QUANTUM HIGHFLEX
(compliant with AES/EBU)

Stagebox with fanout (standard: sep. grounding)
Order example:
PQNF-M24/08-0033

Neutrik connectors
NC 3 MXX/FXX
with numbering

Neutrik metal assembly connector
NC 3 MDL1/FDL1
(lockable)

Made in Germany

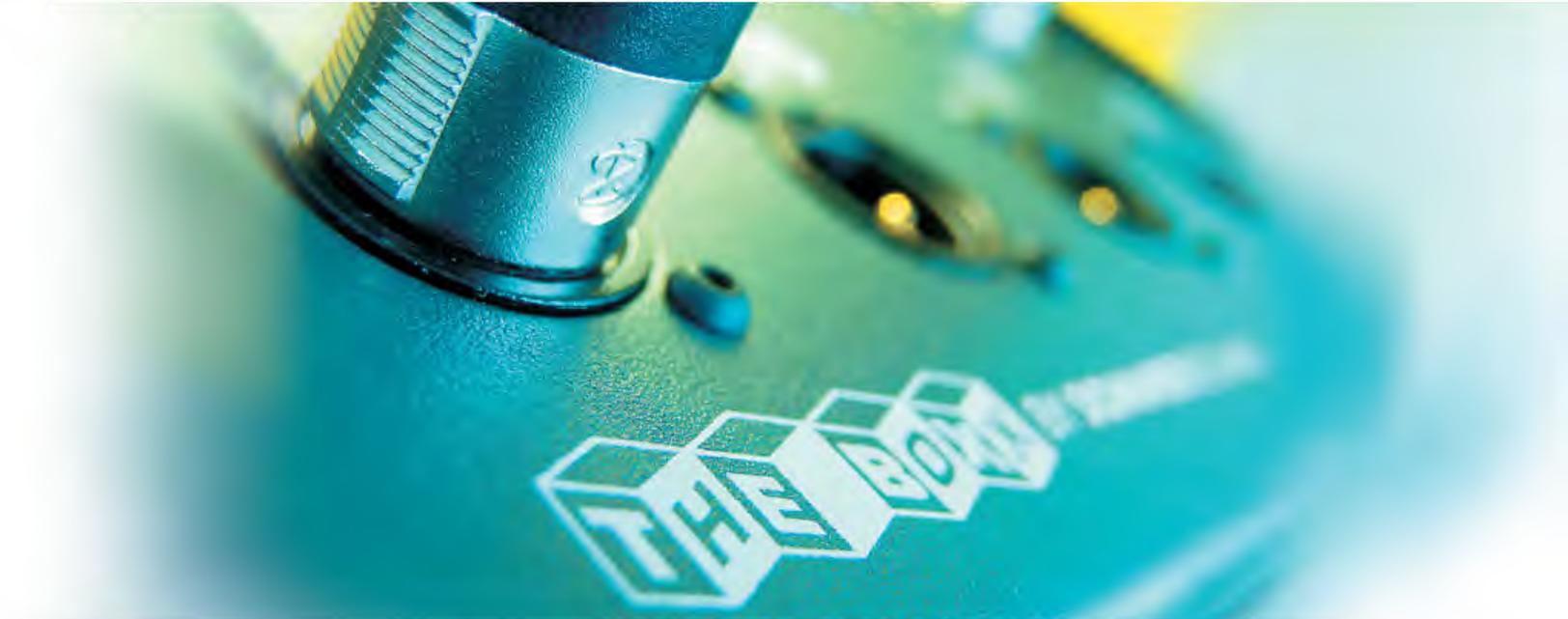
Stagebox "PLUG MAMA MK II" PROFESSIONAL, professionally wired with breakout

Configuration	ORDER NO.-LENGTH <i>(Please append length in cm to ORDER NO.)</i>	10 m	25 m	33 m	50 m
8 in / 0 out	PQNF-M08/00-LENGTH				
8 in / 4 out	PQNF-M08/04-LENGTH				
12 in / 0 out	PQNF-M12/00-LENGTH				
12 in / 4 out	PQNF-M12/04-LENGTH				
16 in / 4 out	PQNF-M16/04-LENGTH				
16 in / 8 out	PQNF-M16/08-LENGTH				
20 in / 4 out	PQNF-M20/04-LENGTH				
24 in / 8 out	PQNF-M24/08-LENGTH				
Lighting kit	Order code "L" at 5th position				



x00546

Order example: Stagebox custom cable length 36 m, 24 in 8 configuration with lighting: PQNFLM24/08-3600



Audio ▶ Stageboxes/reels with XLR breakout ▶ **THE BOXX MK II**

THE BOXX BY SOMMER CABLE

STAGEBOX PROFESSIONAL to multipair breakout on cable end

The Boxx Professional...

... is identical in construction to the previous model except for the body. It is a high-quality, robust stagebox system, finished with a highly flexible multipair and locking NEUTRIK XLR connectors. The cable end is equipped with high-quality NEUTRIK XLR connectors. For information on the **fanout length**, see the **"Support" chapter**. In addition the fanout is fitted with a wire strain relief.

The standard lengths are 10, 25, 33 or 50 meters / 32, 82, 108 or 165 feet, other versions are available on request. We accept orders for custom designs in writing or by fax. **Please use the request form at the end of the catalog.**

The wiring diagrams are shown at www.sommercable.com/service.

Outside measurements: see chapter "Hardware & Accessories"/Empty Housings

MULTICORE & POWER DISTRIBUTION SYSTEMS



COMPLIANT WITH AES/EBU!

Neutrik metal assembly connector **NC 3 MDL1/FDL1** (lockable)

Robust stage multicore with pair insulation and shielding **QUANTUM HIGHFLEX** (compliant with AES/EBU)

Cable strain relief

Made in Germany

Our tip: BREAKOUT BAG ...the practical protective bag for your fanout. Simply add it to your order! For details - refer to "Hardware & Accessories".

Neutrik connectors **NC 3 MXX/FXX** with numbering

Stagebox „THE BOXX MK II“ PROFESSIONAL, professionally wired with fanout

Configuration	ORDER NO.-LENGTH <i>(Please append length in cm to ORDER NO.)</i>	10 m	25 m	33 m	50 m
8 in / 0 out	XQNF-M08/00-LENGTH				
8 in / 4 out	XQNF-M08/04-LENGTH				
12 in / 0 out	XQNF-M12/00-LENGTH				
12 in / 4 out	XQNF-M12/04-LENGTH				
16 in / 4 out	XQNF-M16/04-LENGTH				
16 in / 8 out	XQNF-M16/08-LENGTH				
20 in / 4 out	XQNF-M20/04-LENGTH				
24 in / 8 out	XQNF-M24/08-LENGTH				



Order example: Stagebox custom cable length 36 m, 20 in 4 configuration: XQNF-M20/04-3600

Audio ▶ Stageboxes/reels with XLR breakout ▶ **CABLE REEL WITH MULTICORE**

STAGE REEL – Cable reel with integrated stagebox to multipair breakout on cable end / separate grounding

Keeping things tidy...

... is easy when the stagebox is so neatly integrated into the cable reel. We use **SCHILL** cable reels and our own **SOMMER CABLE DRUM**. The **SOMMER CABLE DRUM** has a height-adjustable carrying handle (which means no more back or shoulder problems), a fixing brake and two wheels.

We use our flexible **QUANTUM HIGHFLEX** studio multipair with individually insulated, shielded and numbered wire pairs as well as high-quality connectors from HICON and NEUTRIK.

In addition, the fanout has a wire strain relief.

For information on the fanout length see the "Support" chapter.

The standard lengths are 33 or 50 m/108 or 165 ft. We accept orders for custom designs in writing or by fax (however, the cable reel size may change as a consequence).



Made in Germany

IN COMPLIANCE WITH AES/EBU!

Shown here: QMNF... incl. cable pulling grip

Stage reel to breakout, QUANTUM HIGHFLEX, HICON XLR, separate grounding, on SCHILL GT series cable reel, patch panel integrated into reel core

Configuration	ORDER NO.-LENGTH <i>(Please append length in cm to ORDER NO.)</i>	Max. length	25 m	50 m
2 in / 0 out	QMANGM02/00-LENGTH	180 m		
4 in / 0 out	QMANGM04/00-LENGTH	135 m		
8 in / 0 out	QMANGM08/00-LENGTH	69 m		
8 in / 4 out	QMANGM08/04-LENGTH	50 m		
12 in / 0 out	QMANGM12/00-LENGTH	50 m		



Stage reel to breakout, QUANTUM HIGHFLEX, HICON XLR, separate grounding, on SCHILL HT series cable reel, patch panel integrated into reel core

Configuration	ORDER NO.-LENGTH <i>(Please append length in cm to ORDER NO.)</i>	Max. length	25 m	50 m
12 in / 4 out	QMANHM12/04-LENGTH	85 m		
16 in / 4 out	QMANHM16/04-LENGTH	65 m		
20 in / 4 out	QMANHM20/04-LENGTH	55 m		
24 in / 8 out	QMANHM24/08-LENGTH	45 m		
32 in / 8 out	QMANHM32/08-LENGTH	30 m		



Stage reel to breakout, QUANTUM HIGHFLEX, NEUTRIK XLR, separate grounding, on SCHILL GT series cable reel, patch panel integrated into reel core

Configuration	ORDER NO.-LENGTH <i>(Please append length in cm to ORDER NO.)</i>	Max. length	25 m	50 m
2 in / 0 out	QMNFQM02/00-LENGTH	180 m		
4 in / 0 out	QMNFQM04/00-LENGTH	135 m		
8 in / 0 out	QMNFQM08/00-LENGTH	69 m		
8 in / 4 out	QMNFQM08/04-LENGTH	50 m		
12 in / 0 out	QMNFQM12/00-LENGTH	50 m		



Stage reel to breakout, QUANTUM HIGHFLEX, NEUTRIK XLR, separate grounding, on SCHILL HT series cable reel, patch panel integrated into reel core

Configuration	ORDER NO.-LENGTH <i>(Please append length in cm to ORDER NO.)</i>	Max. length	25 m	50 m
12 in / 4 out	QMNFHM12/04-LENGTH	85 m		
16 in / 4 out	QMNFHM16/04-LENGTH	65 m		
20 in / 4 out	QMNFHM20/04-LENGTH	55 m		
24 in / 8 out	QMNFHM24/08-LENGTH	45 m		
32 in / 8 out	QMNFHM32/08-LENGTH	30 m		



Stage reel to breakout, QUANTUM HIGHFLEX, NEUTRIK XLR, separate grounding, on SCHILL SD series cable reel, patch panel integrated into reel core

Configuration	ORDER NO.-LENGTH <i>(Please append length in cm to ORDER NO.)</i>	Max. length	25 m	50 m
24 in / 8 out	QMNFDM24/08-LENGTH	60 m		
32 in / 8 out	QMNFDM32/08-LENGTH	55 m		



MULTICORE & POWER DISTRIBUTION SYSTEMS

General information ► **PROFESSIONAL CABLING SYSTEMS / Separate grounding**

In addition to the systems already introduced above, we have been designing and producing individual solutions for professional applications for years. Here we primarily use **multi-pin connectors** from ILME (100% compatible with all common rectangular multipin systems) as well as the round, waterproof **TOURLOCK version** which is 100% compatible with all MIL standard round connectors. Further information such as standardized assignments are available on the last pages of the catalog in the "Support" section.

For **stagebox housings** we use our „**BLACK BOXX**“ 19" case series and the completely modular **SYSBOXX system** – see the "Modular Systems" chapter.

Because of the tough demands put on cables for use on the road, the **cable quality** is essential. The cable should be flexible and torsion-free, no matter if the sun heats it up to 50°C/122°F on a summer open-air event or if the winter brings freezing temperatures down to -20°C/-4°F. Of course, the cable should also have a strain relief and be resistant to heavy boots on stage. **Protective duct cable covers** are shown in the "Hardware & Accessories" section.

Professional systems are usually equipped with individual shielding for each channel (separate grounding). On the multipin side we terminate our cable ends with **protective insulating polychloroprene (Neoprene) grommets** which have better flexibility and greater dielectric strength when compared with heat-shrink tubes. This guarantees a permanent mechanical and electrical separation of the screens. Further information on the **signal source distribution** is available in our "Support" chapter.

By means of special crimping robots we give all **multipin contacts** a gas-tight crimping. In contrast to soldering, **crimping** has the advantage of temperature independence (cold connection without additional materials) and both contacts and cable will retain their elastic properties directly behind the joint.

For medium or large events it is common practice to split the signal and distribute it to several places, such as FOH, monitor, OB van, recording, etc. To avoid hum interference and extra source burdens caused by possible potential differences, **special transformers** are used. They create a galvanic isolation, increase the balance and provide the required number of outputs. For this purpose we use transformers made to our own specifications by the renowned transformer manufacturer **Lundahl** of Sweden.

For optimum handling and convenient, space-saving **transport** we recommend the **multipair reel version**, which is also available with an integrated multi-pin connection.

The regular fanout length is 1.20 m/3.9 ft. Other fanout lengths are, of course, also available on request or by specifying the appropriate codes (see explanation on the introductory page to the "Multicore & Power Distribution Systems" chapter). Breakouts (ready-made with our highly flexible QUANTUM cable) are optionally available with a braided jacket. This increases their mechanical sturdiness and prevents the highly flexible inner conductors from twisting. The 6th digit of the order number ("M" for separate grounding) must then be replaced with an "E" (separate grounding with braided sheath).

The systems shown on the following pages are only sample configurations. We will be happy to design and make your individual system according to your specifications.

Please use our request form in the back of this catalog and get in touch with us. Wiring diagrams are available under www.sommercable.com/service.



Audio ▶ **STAGEBOXES WITH RECTANGULAR MULTI-PIN CONNECTORS / Separate grounding**

Our success floor stagebox series PLUG MAMA MKII and THE BOXX MKIII, fitted with a permanently installed highly flexible QUANTUM HIGHFLEX cable and an **ILME** multipin socket, are flexible solutions for compact connections. Both systems

support a maximum of 32 channels each. For the XLR connectors we again rely on the proven HICON or NEUTRIK quality connectors.

Audio ▶ Stageboxes with rectangular multi-pin connectors/separate grounding ▶ **PLUG MAMA MK II PROFESSIONAL**

STAGEBOX PROFESSIONAL to female multipin on cable end / Separate grounding



Stagebox "PLUG MAMA MK II" PROFESSIONAL, professionally wired with female multipin, separate grounding, HICON XLR

Config.	Multipin	MP housing straight ORDER NO.-LENGTH*	MP housing angled ORDER NO.-LENGTH*	10 m	25 m	33 m	50 m
8 in / 0 out	MP24	PQQA-M08/00-LENGTH	PQT5-M08/00-LENGTH				
8 in / 4 out	MP42	PQQB-M08/04-LENGTH	PQT4-M08/04-LENGTH				
12 in / 0 out	MP42	PQQB-M12/00-LENGTH	PQT4-M12/00-LENGTH				
12 in / 4 out	MP72	PQQD-M12/04-LENGTH	PQTY-M12/04-LENGTH				
16 in / 4 out	MP72	PQQD-M16/04-LENGTH	PQTY-M16/04-LENGTH				
20 in / 4 out	MP72	PQQD-M20/04-LENGTH	PQTY-M20/04-LENGTH				
24 in / 8 out	MP108	PQQF-M24/08-LENGTH	PQTX-M24/08-LENGTH				

Stagebox "PLUG MAMA MK II" PROFESSIONAL, professionally wired with female multipin, separate grounding, NEUTRIK XLR

Config.	Multipin	MP housing straight ORDER NO.-LENGTH*	MP housing angled ORDER NO.-LENGTH*	10 m	25 m	33 m	50 m
8 in / 0 out	MP24	PQPA-M08/00-LENGTH	PQY6-M08/00-LENGTH				
8 in / 4 out	MP42	PQPB-M08/04-LENGTH	PQY1-M08/04-LENGTH				
12 in / 0 out	MP42	PQPB-M12/00-LENGTH	PQY1-M12/00-LENGTH				
12 in / 4 out	MP72	PQPD-M12/04-LENGTH	PQZM-M12/04-LENGTH				
16 in / 4 out	MP72	PQPD-M16/04-LENGTH	PQZM-M16/04-LENGTH				
20 in / 4 out	MP72	PQPD-M20/04-LENGTH	PQZM-M20/04-LENGTH				
24 in / 8 out	MP108	PQPF-M24/08-LENGTH	PQY0-M24/08-LENGTH				

For the "PM-LITE" accessory in the carrying handle, please replace the dash at the fifth position of the **order number with an "L"**.

Order example:

Stagebox with multipin in angled housing, custom cable length 42 m / 138 ft., 12 in / 4 out configuration, with HICON XLR connectors and illumination: PQTYLM12/04-4200

* Please append length in cm to ORDER NO.

Audio ▶ Stageboxes with rectangular multi-pin connectors/separate grounding ▶ **THE BOXX MK III**

STAGEBOX PROFESSIONAL to female multi-pin connector on cable end / Separate grounding



Stagebox "THE BOXX MK III" PROFESSIONAL, professionally wired with female multi-pin connector, separate grounding, HICON XLR

Config.	Multipin	MP housing straight ORDER NO.-LENGTH*	MP housing angled ORDER NO.-LENGTH*	10 m	25 m	33 m	50 m
8 in / 0 out	MP24	XQQA-M08/00-LENGTH	XQT5-M08/00-LENGTH				
8 in / 4 out	MP42	XQQB-M08/04-LENGTH	XQT4-M08/04-LENGTH				
12 in / 0 out	MP42	XQQB-M12/00-LENGTH	XQT4-M12/00-LENGTH				
12 in / 4 out	MP72	XQQD-M12/04-LENGTH	XQTY-M12/04-LENGTH				
16 in / 4 out	MP72	XQQD-M16/04-LENGTH	XQTY-M16/04-LENGTH				
20 in / 4 out	MP72	XQQD-M20/04-LENGTH	XQTY-M20/04-LENGTH				
24 in / 8 out	MP108	XQQF-M24/08-LENGTH	XQTX-M24/08-LENGTH				



x00619

Stagebox "THE BOXX MK III" PROFESSIONAL, professionally wired with female multi-pin connector, separate grounding, NEUTRIK XLR

Config.	Multipin	MP housing straight ORDER NO.-LENGTH*	MP housing angled ORDER NO.-LENGTH*	10 m	25 m	33 m	50 m
8 in / 0 out	MP24	XQPA-M08/00-LENGTH	XQY6-M08/00-LENGTH				
8 in / 4 out	MP42	XQPB-M08/04-LENGTH	XQY1-M08/04-LENGTH				
12 in / 0 out	MP42	XQPB-M12/00-LENGTH	XQY1-M12/00-LENGTH				
12 in / 4 out	MP72	XQPD-M12/04-LENGTH	XQZM-M12/04-LENGTH				
16 in / 4 out	MP72	XQPD-M16/04-LENGTH	XQZM-M16/04-LENGTH				
20 in / 4 out	MP72	XQPD-M20/04-LENGTH	XQZM-M20/04-LENGTH				
24 in / 8 out	MP108	XQPF-M24/08-LENGTH	XQY0-M24/08-LENGTH				



x00620

Order example:

Stagebox with multipin in straight housing, custom cable length 23 m / 75 ft., 8 in / 0 out configuration, with NEUTRIK XLR connectors: XQPA-M08/00-2300

* Please append length in cm to ORDER NO.

MULTICORE & POWER DISTRIBUTION SYSTEMS

Audio ▶ Stageboxes with rectangular multi-pin connectors ▶ **PLUG MAMA MK II / THE BOXX MK III**

STAGEBOX with built-in male multipin / Separate grounding

Road-ready and rugged...

... is this stagebox for live events, made of solid steel panels with a bolted-on **ILME** multi-pin connector and a lot of extra features – rugged and well-designed. We either supply the version with our cult stagebox **PLUG MAMA MK II** or else with the sturdy **THE BOXX MK III**.

For the XLR jacks we use locking metal panel-mount connectors from HICON or NEUTRIK. The wiring has separate grounding. (For common grounding, see previous pages.)

For wiring schemes see www.sommercable.com/service. We gladly accept orders for custom designs in writing or by fax.

Please use the request form at the end of the catalog.

APPLICATIONS:

- Well-designed stagebox
- Permanent installation

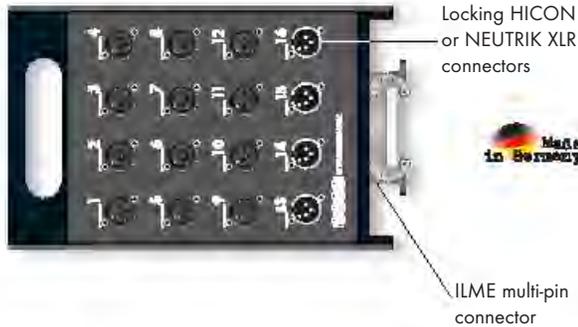
PRODUCT BENEFITS OF PLUG MAMA MK II:

- Space-saving, modern and ergonomic slanted design
- No tripping risk due to lateral cable outlet
- Large and clear numbering for inputs and outputs
- Fitted with locking panel-mount metal XLR connectors from HICON or NEUTRIK



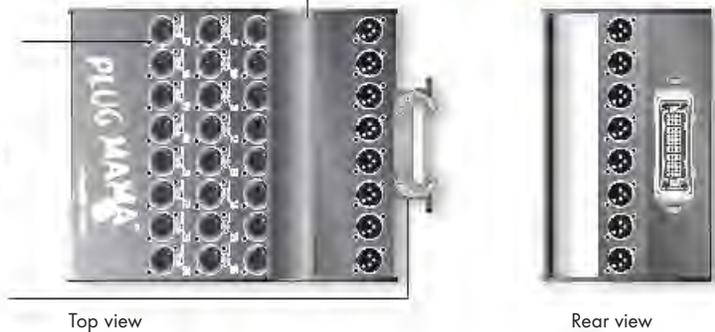
Our tip: **PM-LITE** ...the illuminated handle
Simply add it to your order! For more details – see beginning of the chapter.

THE BOXX MK III



PLUG MAMA MK II

Practical carrying handle



Stagebox "THE BOX MK III" with HICON XLR and ILME male multi-pin connector, separate grounding

Configuration	Multipin	ORDER NO.
8 in / 0 out	MP24	XXQN-M08/00
8 in / 4 out	MP42	XXQP-M08/04
12 in / 0 out	MP42	XXQP-M12/00
12 in / 4 out	MP72	XXQR-M12/04
16 in / 4 out	MP72	XXQR-M16/04
20 in / 4 out	MP72	XXQR-M20/04
24 in / 8 out	MP108	XXQT-M24/08



Stagebox "THE BOX MK III" with NEUTRIK XLR and ILME male multi-pin connector, separate grounding

Configuration	Multipin	ORDER NO.
8 in / 0 out	MP24	XXPN-M08/00
8 in / 4 out	MP42	XXPP-M08/04
12 in / 0 out	MP42	XXPP-M12/00
12 in / 4 out	MP72	XXPR-M12/04
16 in / 4 out	MP72	XXPR-M16/04
20 in / 4 out	MP72	XXPR-M20/04
24 in / 8 out	MP108	XXPT-M24/08



Stagebox "PLUG MAMA MK II" with HICON XLR and ILME male multi-pin connector, separate grounding

Configuration	Multipin	ORDER NO.
8 in / 0 out	MP24	PXQN-M08/00
8 in / 4 out	MP42	PXQP-M08/04
12 in / 0 out	MP42	PXQP-M12/00
12 in / 4 out	MP72	PXQR-M12/04
16 in / 4 out	MP72	PXQR-M16/04
20 in / 4 out	MP72	PXQR-M20/04
24 in / 8 out	MP108	PXQT-M24/08



Stagebox "PLUG MAMA MK II" with NEUTRIK XLR and ILME male multi-pin connector, separate grounding

Configuration	Multipin	ORDER NO.
8 in / 0 out	MP24	PXPN-M08/00
8 in / 4 out	MP42	PXPP-M08/04
12 in / 0 out	MP42	PXPP-M12/00
12 in / 4 out	MP72	PXPR-M12/04
16 in / 4 out	MP72	PXPR-M16/04
20 in / 4 out	MP72	PXPR-M20/04
24 in / 8 out	MP108	PXPT-M24/08



For the extra lighting in the carrying handle of the **PLUG MAMA („PM-LITE“)**, please replace the dash at the fifth position of the number with an **“L”**. For more details, see the beginning of the chapter.

Audio ▶ Stageboxes with rectangular multi-pin connectors ▶ **STAGEBOX 19"**

19" STAGEBOX with chassis-mount male multi-pin connector and separate grounding

Wired and loaded...

... are our 19" stagebox systems (as a 6-sided enclosure) for installation in studio and stage racks. The 19" housing is 94 mm/3.7" deep. The number of height units (U) can be seen in the tables below.

For the XLR jacks we use locking metal panel-mount connectors from HICON or NEUTRIK and 2 **ILME** multi-pin connectors with a pair of latching clamps on each side. (ILME is generally compatible with Harting). The returns are only wired to the FOH output.

We supply this stagebox with separate grounding. (For common grounding see the previous pages).

For our 19" systems with **audio transformers** we normally use 1:1 transformers with MU-metal shielding for optimum interference protection and a maximum input of **+12 dBu**. Here multipin 1 (FOH) receives the signals directly from the inputs and is connected to the returns, which allows 48 V phantom power supply from the FOH console, whereas multipin 2 (monitor) receives the transformerless signals (inputs only).

For more complex signal distribution, e.g. to OB vans, we can also offer a third multi-pin connector with 1:1+1 transformers. We gladly accept your written orders for custom designs by fax or e-mail under support@sommecable.com.

Please use the request form at the end of the catalog. Wiring diagrams can be found under www.sommecable.com/service

For more complex applications we recommend our modular SYSBOXX system, see the "Modular Systems" chapter.

APPLICATIONS:

- Professional studio, stage or rack installation
- Indoor and outdoor installation
- Floor and wall mounting

PRODUCT BENEFITS:

- 19" rack, wall or floor mounting
- Professional workmanship and wiring
- Large and clear numbering for inputs and outputs
- Fitted with locking panel-mount metal XLR connectors from HICON or NEUTRIK



Standard version: Multipin slaved in parallel (returns only on multipin 1)

19" stagebox with HICON XLR and 2 x ILME male multi-pin connector, separate grounding

Configuration	Multipin	Height	ORDER NO.
16 in / 4 out	MP72	4 U	BXRX-M16/04
20 in / 4 out	MP72	4 U	BXRX-M20/04
24 in / 8 out	MP108	5 U	BXRZ-M24/08



19" stagebox with NEUTRIK XLR and 2 x ILME male multi-pin connector, separate grounding

Configuration	Multipin	Height	ORDER NO.
16 in / 4 out	MP72	4 U	BXRD-M16/04
20 in / 4 out	MP72	4 U	BXRD-M20/04
24 in / 8 out	MP108	5 U	BXRF-M24/08



1:1 transformer technology 19" stagebox with NEUTRIK XLR and 2 x ILME male multi-pin connector, separate grounding

Configuration	Multipin	Height	ORDER NO.
16 in / 4 out	MP72	4 U	BXRR-M16/04-1:1
20 in / 4 out	MP72	4 U	BXRR-M20/04-1:1
24 in / 8 out	MP108	5 U	BXRT-M24/08-1:1



MULTICORE & POWER DISTRIBUTION SYSTEMS

Audio ▶ Multipair snakes with rectangular multi-pin connector ▶ **MULTIPIN female ⇔ MULTIPIN female / Separate grounding**

Compatibility is essential...

... we use our highly flexible **QUANTUM QMC** multipair cable with individually insulated and shielded wire pairs. As connectors we use 2 **ILME** non-locking multi-pin sockets which are compatible with all common rectangular connectors (Harting, etc.). The multi-pin sockets are available with either straight or angled body style. Our standard configuration that we take as a basis for the separate grounding (or common grounding, resp.) can be found at www.sommercable.com/service.

The configuration is specified as the total number of channels.
32 channels are thus suitable for 24/08, 28/04 or 32/00, for example.

The multipin sockets come with grey housings and GRP-reinforced screw joints which perfectly relieve the cable and also ensure maximum tightness. On both cable ends we include a transparent, unshrunk 10 cm/3.9" heat-shrink tube for your personal labelling.

We gladly accept your written orders for other configurations and special designs by fax or e-mail under support@sommercable.com.
Always ships with multipin protective bag!



Multipair Multipin female ⇔ Multipin female ILME, separate grounding

..... Multipin housing left ⇔ right

Config.	Multipin	Multipin housing left ⇔ right			25 m	50 m
		straight ⇔ straight ORDER NO.-LENGTH*	straight ⇔ angled ORDER NO.-LENGTH*	angled ⇔ angled ORDER NO.-LENGTH*		
8-channel	MP24	QMMC-M08/00-LENGTH	QMM8-M08/00-LENGTH	QMJ1-M08/00-LENGTH		
12-channel	MP42	QMMD-M12/00-LENGTH	QMM9-M12/00-LENGTH	QMR6-M12/00-LENGTH		
16-channel	MP72	QMMA-M16/00-LENGTH	QMMW-M16/00-LENGTH	QMYJ-M16/00-LENGTH		
20-channel	MP72	QMMA-M20/00-LENGTH	QMMW-M20/00-LENGTH	QMYJ-M20/00-LENGTH		
24-channel	MP72	QMMA-M24/00-LENGTH	QMMW-M24/00-LENGTH	QMYJ-M24/00-LENGTH		
32-channel	MP108	QMMB-M32/00-LENGTH	QMMY-M32/00-LENGTH	QMTQ-M32/00-LENGTH		



Order example:

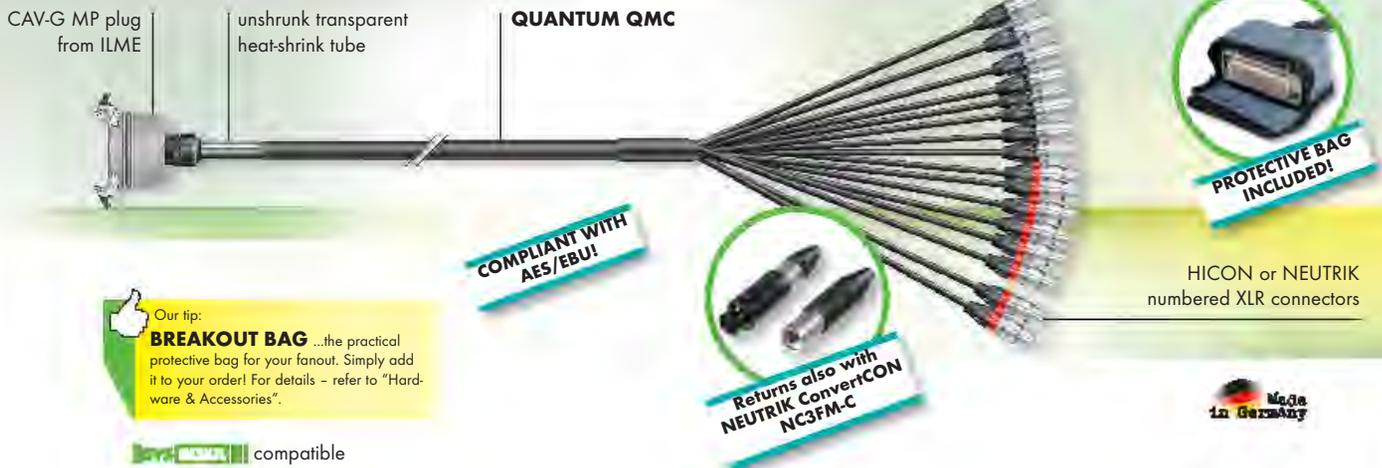
24 channel configuration, angled to angled housing, 15 m: QMYJ-M24/00-1500

* Please append length in cm to ORDER NO.

Audio ▶ Multipair snakes with rectangular multi-pin connector ▶ **MULTIPIN male ⇔ XLR BREAKOUT / Separate grounding**

For the construction of these fanouts we use our highly flexible QUANTUM multipair cable with individually insulated and shielded wire pairs or the ISOPOD installation line. On the XLR side we use high-quality connectors with numbered rings from HICON and NEUTRIK; alternatively we also offer a version with NEUTRIK ConvertCONs on the returns.

For mobile applications we recommend a special model with an **ILME** grommet housing (plus a male contact carrier) that has two clamps and a sealing ring. An ideal installation/attachment solution, e.g. for mounting into the console case, is our model version with **ILME** base/assembly housing which can be permanently installed into the cable compartment (also called doghouse). Fanouts with a female instead of a male contact base, with grommet housing and without clamp or sealing ring are listed on the following pages.



Multipair Multipin male ⇔ Breakout with HICON XLR, separate grounding

Configuration	Multipin	MP housing straight ORDER NO.-LENGTH*	2 m	3 m	6 m	10 m
8 in / 0 out	MP24	QMJ4-M08/00-LENGTH				
8 in / 4 out	MP42	QMJC-M08/04-LENGTH				
12 in / 0 out	MP42	QMJC-M12/00-LENGTH				
12 in / 4 out	MP72	QMKD-M12/04-LENGTH				
16 in / 4 out	MP72	QMKD-M16/04-LENGTH				
20 in / 4 out	MP72	QMKD-M20/04-LENGTH				
24 in / 8 out	MP108	QMT9-M24/08-LENGTH				

Multipair Multipin male ⇔ Breakout with NEUTRIK XLR, separate grounding

Configuration	Multipin	MP housing straight ORDER NO.-LENGTH*	2 m	3 m	6 m	10 m
8 in / 0 out	MP24	QML4-M08/00-LENGTH				
8 in / 4 out	MP42	QMLD-M08/04-LENGTH				
12 in / 0 out	MP42	QMLD-M12/00-LENGTH				
12 in / 4 out	MP72	QMUD-M12/04-LENGTH				
16 in / 4 out	MP72	QMUD-M16/04-LENGTH				
20 in / 4 out	MP72	QMUD-M20/04-LENGTH				
24 in / 8 out	MP108	QMTN-M24/08-LENGTH				

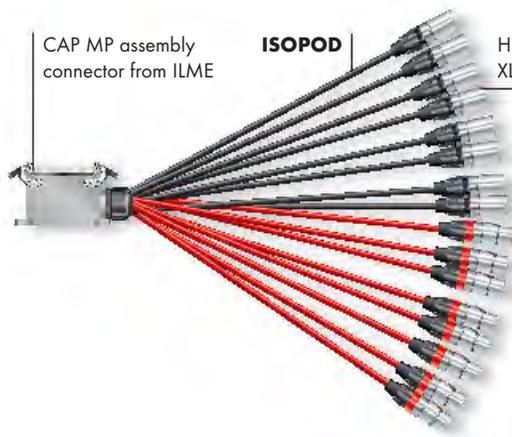
Multipair Multipin male ⇔ Breakout with NEUTRIK XLR, returns as ConvertCONs, separate grounding

Configuration	Multipin	MP housing straight ORDER NO.-LENGTH*	2 m	3 m	6 m	10 m
8 in / 4 out	MP42	QMKJ-M08/04-LENGTH				
12 in / 4 out	MP72	QMKL-M12/04-LENGTH				
16 in / 4 out	MP72	QMKL-M16/04-LENGTH				
20 in / 4 out	MP72	QMKL-M20/04-LENGTH				
24 in / 8 out	MP108	QMLH-M24/08-LENGTH				

* Please append length in cm to ORDER NO.



The breakout cables with assembly connectors are finished with color-coded patch lines (ISOPOD black = send, red = return). The XLR connectors on the splice are all fitted with colored, clearly numbered labels.



CAP MP assembly connector from ILME

ISOPOD

HICON or NEUTRIK numbered XLR connectors



Our tip:
BREAKOUT BAG ...the practical protective bag for your fanout. Simply add it to your order! For details - refer to "Hardware & Accessories".



Returns also with NEUTRIK ConvertCON NC3FM-C

Multipair Multipin male ⇔ Breakout with HICON XLR, separate grounding

Configuration	Multipin	Assembly housing ORDER NO.-LENGTH*	2 m	3 m	6 m	10 m
8 in / 0 out	MP24	ISJ3-M08/00-LENGTH				
8 in / 4 out	MP42	ISJD-M08/04-LENGTH				
12 in / 0 out	MP42	ISJD-M12/00-LENGTH				
12 in / 4 out	MP72	ISKC-M12/04-LENGTH				
16 in / 4 out	MP72	ISKC-M16/04-LENGTH				
20 in / 4 out	MP72	ISKC-M20/04-LENGTH				
24 in / 8 out	MP108	IST8-M24/08-LENGTH				



x00640

Multipair Multipin male ⇔ Breakout with NEUTRIK XLR, separate grounding

Configuration	Multipin	MP housing straight ORDER NO.-LENGTH*	2 m	3 m	6 m	10 m
8 in / 0 out	MP24	ISL3-M08/00-LENGTH				
8 in / 4 out	MP42	ISLC-M08/04-LENGTH				
12 in / 0 out	MP42	ISLC-M12/00-LENGTH				
12 in / 4 out	MP72	ISUC-M12/04-LENGTH				
16 in / 4 out	MP72	ISUC-M16/04-LENGTH				
20 in / 4 out	MP72	ISUC-M20/04-LENGTH				
24 in / 8 out	MP108	ISTH-M24/08-LENGTH				



x00642

Multipair Multipin male ⇔ Breakout with NEUTRIK XLR, returns as ConvertCONs, separate grounding

Configuration	Multipin	MP housing straight ORDER NO.-LENGTH*	2 m	3 m	6 m	10 m
8 in / 4 out	MP42	ISKT-M08/04-LENGTH				
12 in / 4 out	MP72	ISKY-M12/04-LENGTH				
16 in / 4 out	MP72	ISKY-M16/04-LENGTH				
20 in / 4 out	MP72	ISKY-M20/04-LENGTH				
24 in / 8 out	MP108	ISTB-M24/08-LENGTH				



x00644

* Please append length in cm to ORDER NO.

Audio ▶ Multipair snakes with rectangular multi-pin connector ▶ **MULTIPIN female** ⇔ **MULTIPIN male** / **Separate grounding**

We use our highly flexible...

... **QUANTUM QMC** multipair cable. As connectors we use a non-locking multipin socket and a locking multipin plug from **ILME**. Of course, these are both compatible with all common rectangular connectors (Harting, etc.). The multipin socket is both available with a straight or angled body style. Our standard configuration that we take as a basis for the separate grounding (or common grounding, resp.) can be found at www.sommercable.com/service.

The "separate grounding" version comes with GRP-reinforced screw joints which perfectly free up the cable and also ensure maximum tightness. On both cable ends we included a transparent, unshrunk 10 cm/3.9" heat-shrink tube for your individual labelling. We gladly accept your written orders for other configurations and custom designs by fax or e-mail under support@sommercable.com. **Always ships with multipin protective bag!**



SYS BOXX compatible

Multipair Multipin female ⇔ Multipin male ILME, separate grounding

..... Multipin housing female ⇔ male

Config.	Multipin	straight ⇔ straight		angled ⇔ straight		10 m	25 m	33 m	50 m
		ORDER NO.-LENGTH*	ORDER NO.-LENGTH*	ORDER NO.-LENGTH*	ORDER NO.-LENGTH*				
8-channel	MP24	QMMQ-M08/00-LENGTH	QMSQ-M08/00-LENGTH						
12-channel	MP42	QMMR-M12/00-LENGTH	QMSM-M12/00-LENGTH						
16-channel	MP72	QMMU-M16/00-LENGTH	QMMZ-M16/00-LENGTH						
20-channel	MP72	QMMU-M20/00-LENGTH	QMMZ-M20/00-LENGTH						
24-channel	MP72	QMMU-M24/00-LENGTH	QMMZ-M24/00-LENGTH						
32-channel	MP108	QMMS-M32/00-LENGTH	QMK0-M32/00-LENGTH						



* Please append length in cm to ORDER NO.

MULTICORE & POWER DISTRIBUTION SYSTEMS

Audio ▶ Multipair snakes with rectangular multi-pin connector ▶ **MULTIPIN female** ⇔ **XLR BREAKOUT / Separate grounding**

We use...

... our highly flexible **QUANTUM QMC** multipair cable. As connectors we use high-grade, gold-plated **HICON** XLR or **NEUTRIK** XLR connectors on the console end alternatively we also offer a version with **NEUTRIK** ConvertCONs on the returns. On the opposite end, we use **ILME** multi-pin connectors (compatible with all common rectangular connectors - Harting, etc.).

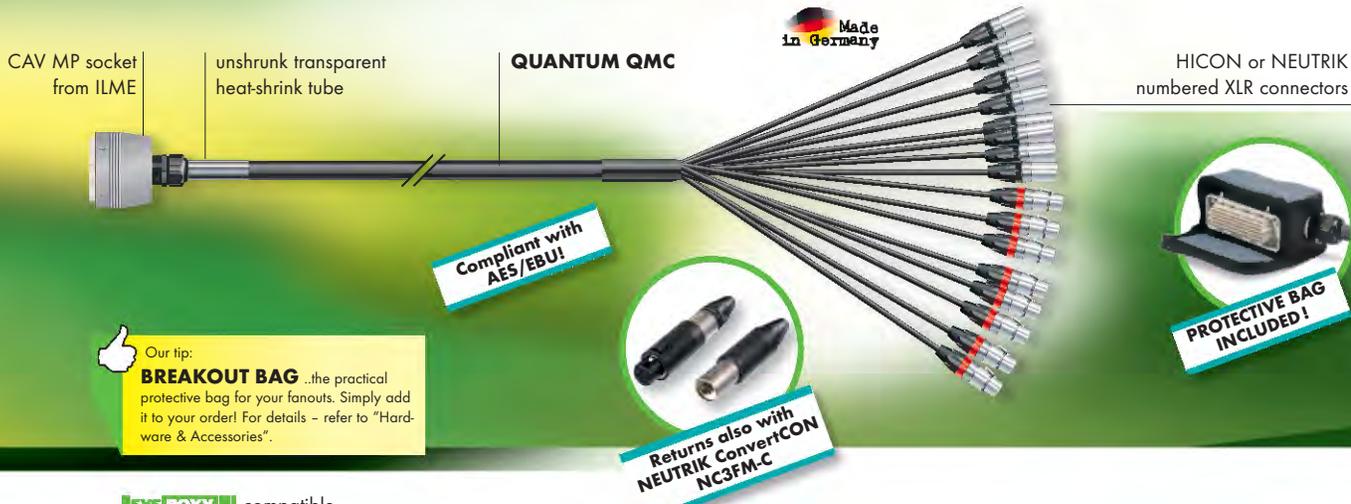
As a custom version we also supply the breakout cables with a braided jacket on each channel. In this case, please replace the "M" (separate ground) at the 6th position of the order number with an "E" (separate ground with braided tube). The configurations that we take as basis can be found at www.sommercable.com/service.

The multipins come with GRP-reinforced screw joints which perfectly relieve the cable and also ensure maximum tightness. On the multipin cable end we included a transparent, unshrunk 10 cm/3.9" heat-shrink tube for your individual labelling. The XLR connectors on the breakout of the separate grounding version are all clearly numbered.

We gladly accept your written orders for other configurations and special designs by fax or e-mail under support@sommercable.com.

Individual breakout lengths (standard see "Support" section) are available at no additional charge.

Always ships with a multipin protective bag!



SYS BOX compatible

Multipair Multipin female ⇔ Breakout with HICON XLR, separate grounding

Config.	Multipin	MP housing straight ORDER NO.-LENGTH*	MP housing angled ORDER NO.-LENGTH*	10 m	25 m	33 m	50 m
8 in / 0 out	MP24	QMJ6-M08/00-LENGTH	QMKG-M08/00-LENGTH				
8 in / 4 out	MP42	QMJF-M08/04-LENGTH	QMJK-M08/04-LENGTH				
12 in / 0 out	MP42	QMJF-M12/00-LENGTH	QMJK-M12/00-LENGTH				
12 in / 4 out	MP72	QMKF-M12/04-LENGTH	QMKG-M12/04-LENGTH				
16 in / 4 out	MP72	QMKF-M16/04-LENGTH	QMKG-M16/04-LENGTH				
20 in / 4 out	MP72	QMKF-M20/04-LENGTH	QMKG-M20/04-LENGTH				
24 in / 8 out	MP108	QMTA-M24/08-LENGTH	QMTE-M24/08-LENGTH				



x00648

Multipair Multipin female ⇔ Breakout with NEUTRIK XLR, separate grounding

Config.	Multipin	MP housing straight ORDER NO.-LENGTH*	MP housing angled ORDER NO.-LENGTH*	10 m	25 m	33 m	50 m
8 in / 0 out	MP24	QML6-M08/00-LENGTH	QML0-M08/00-LENGTH				
8 in / 4 out	MP42	QMLF-M08/04-LENGTH	QMLK-M08/04-LENGTH				
12 in / 0 out	MP42	QMLF-M12/00-LENGTH	QMLK-M12/00-LENGTH				
12 in / 4 out	MP72	QMUJ-M12/04-LENGTH	QMUK-M12/04-LENGTH				
16 in / 4 out	MP72	QMUJ-M16/04-LENGTH	QMUK-M16/04-LENGTH				
20 in / 4 out	MP72	QMUJ-M20/04-LENGTH	QMUK-M20/04-LENGTH				
24 in / 8 out	MP108	QMTK-M24/08-LENGTH	QMK7-M24/08-LENGTH				



x00650

Multipair Multipin female ⇔ Breakout with NEUTRIK XLR, returns as ConvertCONs, separate grounding

Config.	Multipin	MP housing straight ORDER NO.-LENGTH*	MP housing angled ORDER NO.-LENGTH*	10 m	25 m	33 m	50 m
8 in / 4 out	MP42	QMJE-M08/04-LENGTH	QML1-M08/04-LENGTH				
12 in / 4 out	MP72	QMJT-M12/04-LENGTH	QMJU-M12/04-LENGTH				
16 in / 4 out	MP72	QMJT-M16/04-LENGTH	QMJU-M16/04-LENGTH				
20 in / 4 out	MP72	QMJT-M20/04-LENGTH	QMJU-M20/04-LENGTH				
24 in / 8 out	MP108	QMK9-M24/08-LENGTH	QMK7-M24/08-LENGTH				



x00653

* Please append length in cm to ORDER NO.

Audio ▶ Permanently installed stagebox Systems ▶ **INSTA-BOXX**



BXPU-Z16/04



BXPU-Z16/04
pre-mounted + pre-wired



On site you'll just
put on the cable

1 - 2 - 3 - go!

Our **INSTA-BOXX** can be wired up immediately on location – without even a soldering gun!
Each XLR audio channel has a **triple spring-loaded terminal block** on the back (ground, negative, positive) to easily enable a separate grounding system, no matter if you're using a stranded or solid wire measuring 0.05 – 2.5 mm² / AWG30 – AWG13. All you need is a small screwdriver for insertion! (For common grounding connections simply bridge the respective ground connections on all channels, e.g. with a serial wire on the plug terminals – or on the two soldering points for each channel on the pc board). The circuit board has three soldering points per channel for an optional multi-pin connector.

The secret behind the superfast permanent installation solution are our special **XLR module boards** with a 4- or 8-channel grid, combined with the **SOMMER CABLE**

BLACKBOXX, **PLUG MAMA** and **THE BOXX MK III** housing series with a 30 mm/1.18" hole spacing.

You can order them as a kit or pre-assembled and pre-wired, even on one or two rectangular multipins – optionally also with 1:1 transformer technology (**BLACKBOXX** and **THE BOXX** only). The empty housings for the **BLACKBOXX**, **PLUG MAMA** and **THE BOXX MK III** are shown in the "Hardware & Accessories" section.

For installations of > 24 channels we recommend our **BLACKBOXX** housing series – see picture – and for smaller systems **THE BOXX MKIII**. Four holes on the bottom of the **BLACKBOXX** and the removable 19" rackmounts allow easy floor or wall installation.



IBC-4XM



IBC-8XF



IBC-4XF1:1S

XLR module boards (housings see "Hardware & Accessories")

ORDER NO.	DESCRIPTION
IBC-4XF	Connector module Clamping terminal 4 x XLR f
IBC-4XF1:1S	Connector module Clamping terminal 4 x XLR f with 1:1 transformer
IBC-4XM	Connector module Clamping terminal 4 x XLR m
IBC-8XF	Connector module Clamping terminal 8 x XLR f
IBC-8XM	Connector module Clamping terminal 8 x XLR m



x00660

THE BOXX – loaded, w/o multipin

Configuration	ORDER NO.
08/00, without multipin	XXPY-M08/00
08/04, without multipin	XXPY-M08/04
12/04, without multipin	XXPY-M12/04
16/04, without multipin	XXPY-M16/04
20/04, without multipin	XXPY-M20/04
24/08, without multipin	XXPY-M24/08



x00661

BLACKBOXX – loaded, w/o multipin

Configuration	ORDER NO.
16/04, without multipin	BXPY-M16/04
20/04, without multipin	BXPY-M20/04
24/04, without multipin	BXPY-M24/08
32/08, without multipin	BXPY-M32/08
40/08, without multipin	BXPY-M40/08



x00662

BLACKBOXX – 1:1 transformer technology

Configuration	ORDER NO.
16/04, without multipin	BXPW-M16/04
20/04, without multipin	BXPW-M20/04
24/04, without multipin	BXPW-M24/04
32/04, without multipin	BXPW-M32/04
40/04, without multipin	BXPW-M40/04



x00663

BLACKBOXX – rectangular multipin, common grounding

Configuration	ORDER NO.
16/04, MP72	BXPX-Z16/04
20/04, MP72	BXPX-Z20/04
24/08, MP108	BXPZ-Z24/08
32/08, MP108	BXPZ-Z32/08
40/08, MP108	BXPZ-Z40/08
16/04, 2 x MP72	BXPU-Z16/04
20/04, 2 x MP72	BXPU-Z20/04
24/08, 2 x MP108	BXPV-Z24/08
32/08, 2 x MP108	BXPV-Z32/08
40/08, 2 x MP108	BXPV-Z40/08



x00664

BLACKBOXX – rectangular multipin, separate grounding

Configuration	ORDER NO.
16/04, MP72	BXPX-M16/04
20/04, MP72	BXPX-M20/04
24/08, MP108	BXPZ-M24/08
16/04, 2 x MP72	BXPU-M16/04
20/04, 2 x MP72	BXPU-M20/04
24/08, 2 x MP108	BXPV-M24/08



x00666

MULTICORE & POWER DISTRIBUTION SYSTEMS

Configurations incl. multipin on request

Audio ▶ Multipair Audio & AES/EBU ▶ SIEMENS MALE/FEMALE MULTI-PIN CONNECTOR (DIN41622/41618)/SEPARATE GROUNDING

We use our highly flexible...

... 10-pair **SC-AURA DMCK** AES/EBU multipair (single insulated pairs, cross-braided screen) or the robust 12-pair **TRANSFER HIGHFLEX** with PurMasterBlend jacket, joined together with the 30-pole or 39-pole male & female multi-pin connectors according to the DIN 41622/41618 standard which are very popular in the broadcasting sector (often referred to as "Siemens multi-pin connectors"). As standard all multipairs shown here are equipped with separate grounding. The configuration and alignment of the insert as we use it - see picture - complies with the ADT standard. Pin assignment can be found on the last pages of this catalog under "Support/Wiring diagrams". For a configuration according to the broadcasting standard the 6th digit of the item number must be changed from "S" to "W". The standard breakout length is 40 cm/1.3 ft., the breakout wires are covered by a braided mesh sheath. On the 10-channel versions with the **SC-AURA DMCK**, the channels are color-coded (1 = brown, 2 = red, ... 10 = black) following the electronic color code.

We gladly accept your written orders for other configurations and special designs by fax or e-mail under support@sommercable.com. Individual breakout lengths (standard see "Support" section) are available at no additional charge.



1 Siemens male 30-pole multi-pin connector / SC-AURA DMCK

Configuration on counterside	ORDER NO.-LENGTH*
Siemens female 30-pole multi-pin connector	AUSC-S10/00-LENGTH
Siemens male 30-pole multi-pin connector	AUSD-S10/00-LENGTH



2 m 3 m 6 m 10 m

1 Siemens male 39-pole multi-pin connector / SC-TRANSFER HIGHFLEX PUR

Configuration on counterside	ORDER NO.-LENGTH*
Siemens female 39-pole multi-pin connector	TFST-S13/00-LENGTH
Siemens male 39-pole multi-pin connector	TFSX-S13/00-LENGTH



2 m 3 m 6 m 10 m

2 Siemens male 30-pole multi-pin connector / SC-AURA DMCK

Configuration on counterside	ORDER NO.-LENGTH*
10 x XLR male NC3MXX-BAG NEUTRIK	AUSE-S10/00-LENGTH
10 x XLR female NC3FXX-BAG NEUTRIK	AUSE-S00/10-LENGTH
10 x XLR male HI-XCM3G-BLK HICON	AUD3-S10/00-LENGTH
10 x XLR female HI-XCF3G-BLK HICON	AUD3-S00/10-LENGTH



2 m 3 m 6 m 10 m

2 Siemens male 39-pole multi-pin connector / SC-TRANSFER HIGHFLEX PUR

Configuration on counterside	ORDER NO.-LENGTH*
13 x XLR male NC3MXX-BAG NEUTRIK	TFSY-S13/00-LENGTH
13 x XLR female NC3FXX-BAG NEUTRIK	TFSY-S00/13-LENGTH
13 x XLR male HI-XCM3G-BLK HICON	TFDM-S13/00-LENGTH
13 x XLR female HI-XCF3G-BLK HICON	TFDM-S00/13-LENGTH



2 m 3 m 6 m 10 m

3 Siemens male 30-pole multi-pin connector / SC-AURA DMCK

Configuration on counterside	ORDER NO.-LENGTH*
10 x stereo phone plugs NP3X NEUTRIK	AUSH-S10/00-LENGTH
10 x stereo phone plugs HIJ3S HICON	AUD5-S10/00-LENGTH



2 m 3 m 6 m 10 m

Order example: AUSE-S10/00-0200 for 2 m length, Siemens male 30-pole multi-pin connector ↔ 10 x XLR male

* Please append length in cm to ORDER NO.



Don't be square...

...those were the thoughts of a group of ingenious event technicians in the early 1980s. They then introduced a military connector into the event industry. Compared to the already established rectangular multipins (mostly "Hartings"), this connector offered a number of benefits:

- A round and hence more rugged housing (machined, not cast)
- A permanently glued-in rubber contact base (on the rectangular multipin we have a plastic contact base with metal lugs that tend to come off in heavy-duty use)
- Crimping contacts without springs that are pressed into the contact base. This results in better centering, a tight fit and higher mating cycles.
- Bayonet catch means no protruding parts, 100% parallel mating and decoupling procedures plus increased tightness (IP67)
- Smaller design than rectangular multipins

With all these benefits, the system has gained acceptance with most professional cable users, whether in the power (8-pole "CA-COM") or in the audio domain from 4 to 48 channels (LK13 - LK150).

Another advantage of the system is the compatibility. When comparing it to a rectangular multipin system, we don't have several different schemes to sort through, but only one, and it's a very coherent pin allocation scheme.

SOMMER CABLE uses the proven round multipins from **HICON**. These are manufactured to MIL specifications and meet all professional requirements for the tough daily use on stage.

Audio ▶ Stageboxes with LK round connectors ▶ **THE BOXX PROFESSIONAL**

STAGEBOX PROFESSIONAL to female round multipin on cable end / Separate grounding

THE Boxx Professional...

...is now also available with a round multipin socket at the end of the cable. Here we rely on proven technology - the well-known "THE BOXX" housing series, NEUTRIK XLR jacks, **SC-QUANTUM HIGHFLEX** multipair cables and finally **HICON** LK multi-pin connectors.

We gladly accept orders for custom designs in writing or by fax. Please use our request form at the end of the catalog.

Wiring diagrams - see www.sommercable.com/service.



LK female

STAGEBOX PROFESSIONAL with QUANTUM to LK multipin, female, HICON XLR, separate grounding

Config.	Multipin	ORDER NO.-LENGTH (Please append length in cm to ORDER NO.)	ORDER NO.-LENGTH			
			10 m	25 m	33 m	50 m
8 in / 0 out	LK25	XQ74-M08/00-LENGTH				
8 in / 4 out	LK37	XQ7C-M08/04-LENGTH				
12 in / 0 out	LK37	XQ7C-M12/00-LENGTH				
16 in / 0 out	LK85	XQ8G-M16/00-LENGTH				
20 in / 4 out	LK85	XQ8G-M20/04-LENGTH				
24 in / 4 out	LK85	XQ8G-M24/04-LENGTH				



x00736

STAGEBOX PROFESSIONAL with QUANTUM to LK multipin, female, NEUTRIK XLR, separate grounding

Config.	Multipin	ORDER NO.-LENGTH (Please append length in cm to ORDER NO.)	ORDER NO.-LENGTH			
			10 m	25 m	33 m	50 m
8 in / 0 out	LK25	XQWX-M08/00-LENGTH				
8 in / 4 out	LK37	XQW2-M08/04-LENGTH				
12 in / 0 out	LK37	XQW2-M12/00-LENGTH				
16 in / 0 out	LK85	XQW0-M16/00-LENGTH				
20 in / 4 out	LK85	XQW0-M20/04-LENGTH				
24 in / 4 out	LK85	XQW0-M24/04-LENGTH				



x00742

MULTICORE & POWER DISTRIBUTION SYSTEMS

Audio ▶ Stageboxes with LK round connectors ▶ **THE BOXX / THE BOXX-LK / Separate grounding****STAGEBOX WITH TOURLOCK MULTI-PIN CONNECTORS***For sophisticated live sound technology we top off...*

... our systems with TOURLOCK round connectors which, besides their robust and compact design, feature high mating cycles and a superb waterproof seal (IP67). These are compatible with all commonly available military grade CIR-LK connectors. The pins are gold-plated throughout and the bayonet catch ensures a firmly seated and securely sealed connection.

The systems are supplied with our rugged **THE BOXX, THE BOXX-LK** or the 19" **BLACKBOXX** housing series.

Our new **THE BOXX-LK** floor stagebox now also combines a sleek and space-saving design with great functionality and tight-fitting connectivity. As a matter of principle each channel has one female and one male XLR – which allows maximum flexibility. Here we rely on proven **SYSBOXX** components.

We gladly accept your written orders for custom configurations or special designs by fax or e-mail under support@sommercable.com. **Please use our request form at the end of the catalog.**

For more complex applications we recommend our modular **SYSBOXX** system.

APPLICATIONS:

- Professional event technology
- Indoor and outdoor installations
- Ambitious rack, floor or wall installations

PRODUCT BENEFITS:

- Floor or wall mount
- Separate grounding
- TOURLOCK connectors with high water resistance (max. depth 10 m/32 ft. for 12 h)
- Rugged durability with a high number of mating cycles (> 2000)
- Gold-plated contacts and firmly secured bayonet catch
- Universal compatibility

**1 1 Stagebox THE BOXX LK with NEUTRIK XLR and 1 x LK multipin, separate grounding**

Configuration	Multipin	Housing [W x D x H]	ORDER NO.
8 in / 8 out	LK25 male	270 x 92 x 85 mm	TBWG-P08/08
12 in / 12 out	LK37 male	371 x 92 x 85 mm	TBWJ-P12/12
8 in / 8 out	LK25 male + female	270 x 92 x 85 mm	TBWH-P08/08
12 in / 12 out	LK37 male + female	371 x 92 x 85 mm	TBWK-P12/12
8 in / 8 out	2 x LK25 male	270 x 92 x 85 mm	TBWI-P08/08
12 in / 12 out	2 x LK37 male	371 x 92 x 85 mm	TBWL-P12/12



x00744

2 2 Stagebox THE BOXX with NEUTRIK XLR and 1 x LK multipin, separate grounding

Configuration	Multipin	Housing [W x D x H]	ORDER NO.
8 in / 0 out	LK25 male	195 x 211 x 80 mm	XXWY-M08/00
8 in / 4 out	LK37 male	195 x 261 x 80 mm	XXW3-M08/04
12 in / 0 out	LK37 male	195 x 261 x 80 mm	XXW3-M12/00



x00745

2 2 Stagebox THE BOXX with HICON XLR and 1 x LK multipin, separate grounding

Configuration	Multipin	Housing [W x D x H]	ORDER NO.
8 in / 0 out	LK25 male	195 x 211 x 80 mm	XXNM-M08/00
8 in / 4 out	LK37 male	195 x 261 x 80 mm	XXM7-M08/04
12 in / 0 out	LK37 male	195 x 261 x 80 mm	XXM7-M12/00



x00746

Audio ▶ Stageboxes with LK round connectors ▶ **BLACKBOXX / Separate grounding****STAGEBOX WITH TOURLOCK MULTI-PIN CONNECTORS***For sophisticated live sound technology we top off...*

... our systems with TOURLOCK round connectors which, besides their robust and compact design, feature high mating cycles and a superb waterproof seal (IP67). These are compatible with all commonly available military grade CIR-LK connectors. The pins are gold-plated throughout and the bayonet catch ensures a sealed connection with a tight fit.

The 19" housing has a depth of 94 mm/3.7". For the XLR jacks we use locking metal panel-mount connectors from **HICON** or **NEUTRIK**. The 19" systems are fitted standard with a TOURLOCK, but can also be ordered with a second multi-pin connector.



In this model TOURLOCK1 (FOH) is wired in parallel with TOURLOCK2 (monitor). The returns are only connected to the FOH output. All of these systems come with separate grounding. Our standard wiring schemes comply with the customary norm. These can be found under www.sommercable.com/service.

For our 19" systems with **transformer technology** we normally use **1:1** transformers with MU-metal shielding for optimum interference protection and a maximum input of **+12 dBu**.

Here multipin 1 (FOH) receives the signals directly from the in-/outputs, which passes through the 48-volt phantom power from the FOH console, whereas multipin 2 (monitor) receives the transformerless signals.

For additional signal distribution, e.g. to OB vans, we can also offer a third multi-pin connector with 1:1+1 transformers as a custom upgrade.

APPLICATIONS:

- Professional event technology
- Indoor and outdoor installations
- Sophisticated rack, floor or wall installations

PRODUCT BENEFITS:

- 19" rack, floor or wall mount
- Separate grounding
- TOURLOCK connectors with high water resistance (max. depth 10 m/32 ft. for 12 h)
- Rugged durability and high mating cycles (> 2000)
- Gold-plated contacts and bayonet catch with a tight fit
- Universal compatibility

19" stagebox with HICON XLR and 1 x male LK multipin, separate grounding

Configuration	Multipin	Height	ORDER NO.
16 in / 8 out	LK 85	4 U	BX7X-M16/08
24 in / 8 out	LK150	5 U	BXWN-M24/08
32 in / 8 out	LK150	6 U	BXWN-M32/08
36 in / 12 out	LK150	8 U	BXWN-M36/12
40 in / 8 out	LK150	8 U	BXWN-M40/08



x00748

19" stagebox with NEUTRIK XLR and 1 x male LK multipin, separate grounding

Configuration	Multipin	Height	ORDER NO.
16 in / 8 out	LK 85	4 U	BXWA-M16/08
24 in / 8 out	LK150	5 U	BXWE-M24/08
32 in / 8 out	LK150	6 U	BXWE-M32/08
36 in / 12 out	LK150	8 U	BXWE-M36/12
40 in / 8 out	LK150	8 U	BXWE-M40/08



x00750

19" stagebox with HICON XLR and 2 x male LK multipin, separate grounding

Configuration	Multipin	Height	ORDER NO.
16 in / 8 out	2 x LK 85	4 U	BX4J-M16/08
24 in / 8 out	2 x LK150	5 U	BX9P-M24/08
32 in / 8 out	2 x LK150	6 U	BX9P-M32/08
36 in / 12 out	2 x LK150	8 U	BX9P-M36/12
40 in / 8 out	2 x LK150	8 U	BX9P-M40/08



x00749

19" stagebox with NEUTRIK XLR and 2 x male LK multipin, separate grounding

Configuration	Multipin	Height	ORDER NO.
16 in / 8 out	2 x LK 85	4 U	BXX5-M16/08
24 in / 8 out	2 x LK150	5 U	BXX6-M24/08
32 in / 8 out	2 x LK150	6 U	BXX6-M32/08
36 in / 12 out	2 x LK150	8 U	BXX6-M36/12
40 in / 8 out	2 x LK150	8 U	BXX6-M40/08



x00752

1:1 transformer technology**19" stagebox with NEUTRIK XLR and 2 x male LK multipin, separate grounding**

Configuration	Multipin	Height	ORDER NO.
16 in / 8 out	2 x LK 85	4 U	BXZA-M16/08-1:1
24 in / 8 out	2 x LK150	5 U	BXZB-M24/08-1:1
32 in / 8 out	2 x LK150	6 U	BXZB-M32/08-1:1
36 in / 12 out	2 x LK150	8 U	BXZB-M36/12-1:1
40 in / 8 out	2 x LK150	8 U	BXZB-M40/08-1:1



x00753

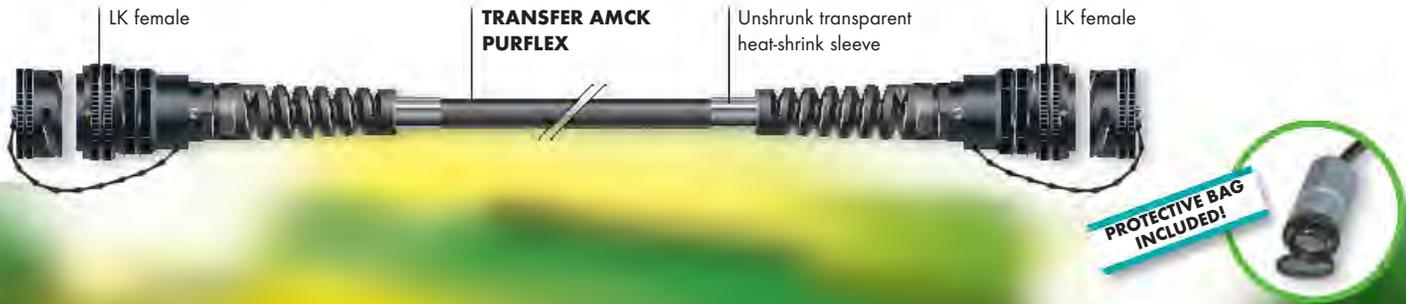
Audio ▶ Multipair snakes/reels with LK round connector ▶ **MULTIPIN female** ↔ **MULTIPIN female** / **Separate grounding**

We use the abrasion-proof and dirt-repellent...

... **TRANSFER AMCK** (individually insulated wire pairs, cross-braided screen, highly flexible PUR-Blend jacket). As connectors we use two **TOURLOCK** multipin sockets (with protective caps). All multipairs shown here are equipped with separate grounding as standard. We have fitted a 10 cm/3.9" unshrunk, transparent heat-shrink sleeve at both cable ends for your personal labelling. For the **QM-versions** we use our highly flexible **QUANTUM** cable and tailor it for use in stage areas (stage sub-distributions).

This cable can easily be wound by hand and is a good match for every use on stage. The configuration that we take as a basis is shown on the last pages of this catalog under "Wiring Diagrams".
By using the optionally available extension adapters (also nicknamed "Spookies"), 2 x female-female cables can be linked as well.

We gladly accept your written orders for other configurations and special designs by fax or e-mail under support@sommercable.com.
Always ships with multipin protective bag!



Multipair Multipin female ↔ **Multipin female TOURLOCK, separate grounding, TRANSFER**
 compatible

Configuration	Multipin	ORDER NO.-LENGTH*	10 m	25 m	33 m	50 m
8-channel	LK25	TFXC-M08/00-LENGTH				
12-channel	LK37	TFVH-M12/00-LENGTH				
24-channel	LK85	TFVP-M24/00-LENGTH				
28-channel	LK85	TFVP-M28/00-LENGTH				
32-channel	LK150	TFVB-M32/00-LENGTH				
40-channel	LK150	TFVB-M40/00-LENGTH				
48-channel	LK150	TFVB-M48/00-LENGTH				



x00757

Multipair Multipin female ↔ **Multipin female TOURLOCK, separate grounding, QUANTUM HIGHFLEX**
 compatible

Configuration	Multipin	ORDER NO.-LENGTH*	5 m	10 m	15 m	25 m
8-channel	LK25	QMXC-M08/00-LENGTH				
12-channel	LK37	QMVH-M12/00-LENGTH				



x00758

Extension adapter

Description	ORDER NO.
Spookie, LK24, male ↔ male	SPY-LK024-MM
Spookie, LK25, male ↔ male	SPY-LK025-MM
Spookie, LK37, male ↔ male	SPY-LK037-MM
Spookie, LK85, male ↔ male	SPY-LK085-MM
Spookie, LK150, male ↔ male	SPY-LK150-MM



x00759



* Please append length in cm to ORDER NO.

Audio ▶ Multipair snakes/reels with LK round connector/separate grounding

LK DRUM female ⇔ MULTIPIN female / Separate grounding

We also offer these snakes pre-loaded on professional SCHILL cable reels. Here we distinguish between model versions with an auxiliary take-up and 1 m/3 ft. extra cable and those with a multi-pin connector built right into the reel core.

Multipair on SCHILL GT series cable reel, 1 m reeled at one side on KOMB.RM
LK female ⇔ LK female, separate grounding

Config.	Multipin	ORDER NO.-LENGTH*	Max. length		10 m	25 m	50 m
8-channel	LK25	TFXCGM08/00-LENGTH	135 m				
12-channel	LK37	TFVHGM12/00-LENGTH	100 m				
24-channel	LK85	TFVPGM24/00-LENGTH	45 m				-
32-channel	LK150	TFVBGM32/00-LENGTH	38 m		x00762		-

Multipair on SCHILL HT series cable reel, 1 m reeled at one side on KOMB.RM
LK female ⇔ LK female, separate grounding

Config.	Multipin	ORDER NO.-LENGTH*	Max. length		10 m	25 m	50 m
8-channel	LK25	TFXCHM08/00-LENGTH	310 m				
12-channel	LK37	TFVHHM12/00-LENGTH	210 m				
24-channel	LK85	TFVPHM24/00-LENGTH	95 m				
32-channel	LK150	TFVBHM32/00-LENGTH	75 m				
40-channel	LK150	TFVBHM40/00-LENGTH	65 m		x00766		
48-channel	LK150	TFVBHM48/00-LENGTH	45 m				-

Multipair on SCHILL SK46 series cable reel, 1 m reeled at one side on KOMB.RM
LK female ⇔ LK female, separate grounding

Config.	Multipin	ORDER NO.-LENGTH*	Max. length		10 m	25 m	50 m
40-channel	LK150	TFVBKM40/00-LENGTH	105 m				
48-channel	LK150	TFVBKM48/00-LENGTH	100 m		x00768		



Audio ▶ Multipair snakes/reels with LK round connector/separate grounding

INTEGRATED MULTIPIN female on REEL ⇔ MULTIPIN female / Separate grounding

Multipair on SCHILL GT series cable reel, integrated multi-pin connector
LK female ⇔ LK female insert, separate grounding

Config.	Multipin	ORDER NO.-LENGTH*	Max. length		10 m	25 m	50 m
8-channel	LK25	TFXHGM08/00-LENGTH	135 m				
12-channel	LK37	TFXLGM12/00-LENGTH	100 m				
24-channel	LK85	TFXUGM24/00-LENGTH	45 m				-
32-channel	LK150	TFXXGM32/00-LENGTH	38 m		x00770		-

Multipair on SCHILL HT series cable reel, integrated multi-pin connector
LK female ⇔ LK female insert, separate grounding

Config.	Multipin	ORDER NO.-LENGTH*	Max. length		10 m	25 m	50 m
8-channel	LK25	TFXHMM08/00-LENGTH	310 m				
12-channel	LK37	TFXLHM12/00-LENGTH	210 m				
24-channel	LK85	TFXUHM24/00-LENGTH	95 m				
32-channel	LK150	TFXXHM32/00-LENGTH	75 m				
40-channel	LK150	TFXXHM40/00-LENGTH	65 m		x00775		
48-channel	LK150	TFXXHM48/00-LENGTH	45 m				-

Multipair on SCHILL SK46 series cable reel, integrated multi-pin connector
LK female ⇔ LK female insert, separate grounding

Config.	Multipin	ORDER NO.-LENGTH*	Max. length		10 m	25 m	50 m
40-channel	LK150	TFXXMM40/00-LENGTH	80 m				
48-channel	LK150	TFXXMM48/00-LENGTH	74 m		x00778		

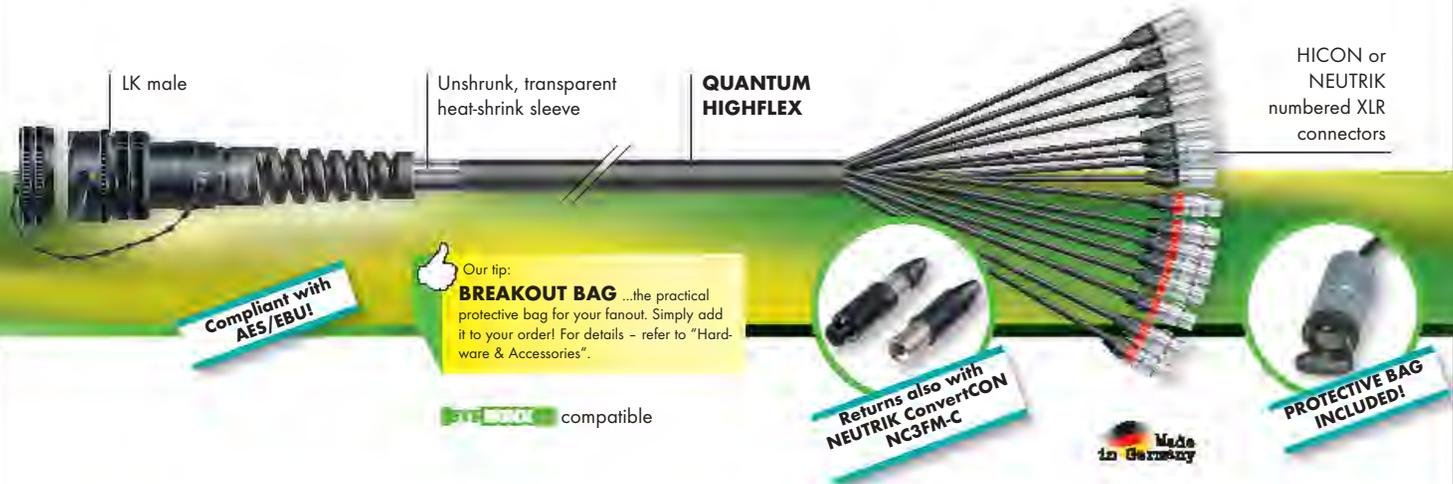


* Please append length in cm to ORDER NO.

Audio ▶ Multipair snakes/reels with LK round connector ▶ **LK male** ⇔ **XLR BREAKOUT / Separate grounding**

For the construction of these fanouts we use our highly flexible QUANTUM multipair cables with single insulated and shielded wire pairs. On the XLR side, we use high-grade connectors with numbered rings from HICON and NEUTRIK; alternatively we also offer a version with NEUTRIK ConvertCONs on the returns.

As a custom version we also supply the splice with a braided jacket on each channel. In this case, please replace the "M" (separate ground) at the 6th position of the order number with an "E" (separate ground with braided tube).



Multipair Multipin male TOURLOCK ⇔ **Breakout with HICON XLR, separate grounding**

Config.	Multipin	ORDER NO.-LENGTH <small>(Please append length in cm to ORDER NO.)</small>	3 m	6 m	10 m	25 m
8 in / 0 out	LK25	QMAR-M08/00-LENGTH				
8 in / 4 out	LK37	QM6R-M08/04-LENGTH				
12 in / 0 out	LK37	QM6R-M12/00-LENGTH				
16 in / 8 out	LK85	QM9D-M16/08-LENGTH				
20 in / 8 out	LK85	QM9D-M20/08-LENGTH				
24 in / 8 out	LK150	QM3V-M24/08-LENGTH				
32 in / 8 out	LK150	QM3V-M32/08-LENGTH				
36 in / 12 out	LK150	QM3V-M36/12-LENGTH				
40 in / 8 out	LK150	QM3V-M40/08-LENGTH				

Multipair Multipin male TOURLOCK ⇔ **Breakout with NEUTRIK XLR, separate grounding**

Config.	Multipin	ORDER NO.-LENGTH <small>(Please append length in cm to ORDER NO.)</small>	3 m	6 m	10 m	25 m
8 in / 0 out	LK25	QMXE-M08/00-LENGTH				
8 in / 4 out	LK37	QMV1-M08/04-LENGTH				
12 in / 0 out	LK37	QMV1-M12/00-LENGTH				
16 in / 8 out	LK85	QMV9-M16/08-LENGTH				
20 in / 8 out	LK85	QMV9-M20/08-LENGTH				
24 in / 8 out	LK150	QMVD-M24/08-LENGTH				
32 in / 8 out	LK150	QMVD-M32/08-LENGTH				
36 in / 12 out	LK150	QMVD-M36/12-LENGTH				
40 in / 8 out	LK150	QMVD-M40/08-LENGTH				

Multipair Multipin male TOURLOCK ⇔ **Breakout with NEUTRIK XLR, returns as ConvertCONs, separate grounding**

Config.	Multipin	ORDER NO.-LENGTH <small>(Please append length in cm to ORDER NO.)</small>	3 m	6 m	10 m	25 m
8 in / 0 out	LK25	QM1R-M08/00-LENGTH				
8 in / 4 out	LK37	QMYG-M08/04-LENGTH				
16 in / 8 out	LK85	QM4-M16/08-LENGTH				
20 in / 8 out	LK85	QM4-M20/08-LENGTH				
24 in / 8 out	LK150	QM5-M24/08-LENGTH				
32 in / 8 out	LK150	QM5-M32/08-LENGTH				
36 in / 12 out	LK150	QM5-M36/12-LENGTH				
40 in / 8 out	LK150	QM5-M40/08-LENGTH				

Audio ▶ Multipair snakes/reels with round LK connector ▶ **LK male ⇔ XLR BREAKOUT / Separate grounding**

Custom-designed for you...

... is our assembly housing for the TOURLOCK connectors. It is compact, extremely rugged and can be secured easily with four screws in the console case, etc. The breakouts have been assembled with color-coded patch lines (ISOPOD or SCUBA black = send, red = return) and NEUTRIK or HICON XLR connectors. These are individually marked with colored, clearly readable numbered labels. The multipairs

shown here are equipped standard with separate grounding. The configuration that we use as a basis is shown at the end of this catalog under "Wiring Diagrams". We gladly accept your written orders for other configurations and special designs by fax or e-mail under support@sommercable.com. **Always ships with multipin protective bag!**



BYE-BORG compatible

Multipair Multipin male with assembly housing TOURLOCK ⇔ Breakout with NEUTRIK XLR, separate grounding

Configuration	Multipin	ORDER NO.-LENGTH*	1.2 m*
8 in / 0 out	LK25	ISXF-M08/00-LENGTH	
8 in / 4 out	LK37	ISV3-M08/04-LENGTH	
12 in / 0 out	LK37	ISV3-M12/00-LENGTH	
16 in / 8 out	LK85	ISVA-M16/08-LENGTH	
20 in / 8 out	LK85	ISVA-M20/08-LENGTH	
24 in / 8 out	LK150	ISVF-M24/08-LENGTH	
32 in / 8 out	LK150	ISVF-M32/08-LENGTH	
36 in / 12 out	LK150	ISVF-M36/12-LENGTH	
40 in / 8 out	LK150	ISVF-M40/08-LENGTH	



x00785

Multipair Multipin male with assembly housing TOURLOCK ⇔ Breakout with HICON XLR, separate grounding

Configuration	Multipin	ORDER NO.-LENGTH*	1.2 m*
8 in / 0 out	LK25	IS8T-M08/00-LENGTH	
8 in / 4 out	LK37	IS4K-M08/04-LENGTH	
12 in / 0 out	LK37	IS4K-M12/00-LENGTH	
16 in / 8 out	LK85	ISJL-M16/08-LENGTH	
20 in / 8 out	LK85	ISJL-M20/08-LENGTH	
24 in / 8 out	LK150	ISTV-M24/08-LENGTH	
32 in / 8 out	LK150	ISTV-M32/08-LENGTH	
36 in / 12 out	LK150	ISTV-M36/12-LENGTH	
40 in / 8 out	LK150	ISTV-M40/08-LENGTH	



x00786

Multipair Multipin male with assembly housing TOURLOCK ⇔ Breakout with NEUTRIK XLR, returns as ConvertCONs, separate grounding

Configuration	Multipin	ORDER NO.-LENGTH*	1.2 m*
8 in / 0 out	LK25	IST6-M08/00-LENGTH	
8 in / 4 out	LK37	ISJJ-M08/04-LENGTH	
12 in / 0 out	LK37	ISJJ-M12/00-LENGTH	
16 in / 8 out	LK85	ISL8-M16/08-LENGTH	
20 in / 8 out	LK85	ISL8-M20/08-LENGTH	
24 in / 8 out	LK150	ISL9-M24/08-LENGTH	
32 in / 8 out	LK150	ISL9-M32/08-LENGTH	
36 in / 12 out	LK150	ISL9-M36/12-LENGTH	
40 in / 8 out	LK150	ISL9-M40/08-LENGTH	



x00787

* Please append length in cm to ORDER NO.

MULTICORE & POWER DISTRIBUTION SYSTEMS





 compatible

HICON or NEUTRIK numbered XLR connectors

Returns also with NEUTRIK ConvertCON NC3FM-C

Multipair Multipin male TOURLOCK ⇔ Breakout with HICON XLR, separate grounding

Configuration	Multipin	ORDER NO.-LENGTH*	1.2 m*
8 in / 0 out	LK25	SUAR-M08/00-LENGTH	
8 in / 4 out	LK37	SU6R-M08/04-LENGTH	
12 in / 0 out	LK37	SU6R-M12/00-LENGTH	
16 in / 8 out	LK85	SU9D-M16/08-LENGTH	
20 in / 8 out	LK85	SU9D-M20/08-LENGTH	
24 in / 8 out	LK150	SU3V-M24/08-LENGTH	
32 in / 8 out	LK150	SU3V-M32/08-LENGTH	
36 in / 12 out	LK150	SU3V-M36/12-LENGTH	
40 in / 8 out	LK150	SU3V-M40/08-LENGTH	

Multipair Multipin male TOURLOCK ⇔ Breakout with NEUTRIK XLR, returns as ConvertCONs, separate grounding

Configuration	Multipin	ORDER NO.-LENGTH*	1.2 m*
8 in / 0 out	LK25	SU1R-M08/00-LENGTH	
8 in / 4 out	LK37	SUYG-M08/04-LENGTH	
12 in / 0 out	LK37	SUYG-M12/00-LENGTH	
16 in / 8 out	LK85	SUQ4-M16/08-LENGTH	
20 in / 8 out	LK85	SUQ4-M20/08-LENGTH	
24 in / 8 out	LK150	SUQ5-M24/08-LENGTH	
32 in / 8 out	LK150	SUQ5-M32/08-LENGTH	
36 in / 12 out	LK150	SUQ5-M36/12-LENGTH	
40 in / 8 out	LK150	SUQ5-M40/08-LENGTH	

Multipair Multipin male TOURLOCK ⇔ Breakout with NEUTRIK XLR, separate grounding

Configuration	Multipin	ORDER NO.-LENGTH*	1.2 m*
8 in / 0 out	LK25	SUXE-M08/00-LENGTH	
8 in / 4 out	LK37	SUV1-M08/04-LENGTH	
12 in / 0 out	LK37	SUV1-M12/00-LENGTH	
16 in / 8 out	LK85	SUV9-M16/08-LENGTH	
20 in / 8 out	LK85	SUV9-M20/08-LENGTH	
24 in / 8 out	LK150	SUVD-M24/08-LENGTH	
32 in / 8 out	LK150	SUVD-M32/08-LENGTH	
36 in / 12 out	LK150	SUVD-M36/12-LENGTH	
40 in / 8 out	LK150	SUVD-M40/08-LENGTH	

* Please add length to ORDER NO; other lengths are available on request

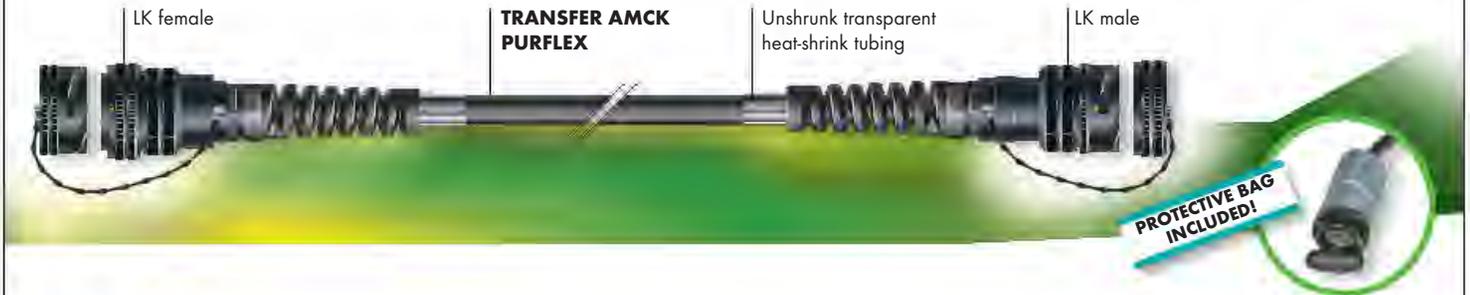
Audio ▶ Multipair snakes/reels with LK round connector ▶ **LK female ⇔ LK male / Separate grounding**

We use the abrasion-proof and dirt-repellent...

... **TRANSFER AMCK** (individually insulated wire pairs, cross-braided screen, highly flexible PUR-Blend jacket). As connectors we use two **TOURLOCK** multipin sockets (with protective caps). All multipairs shown here are equipped standard with separate grounding. We have fitted a 10 cm/3.9" unshrunk transparent heat-shrink sleeve on both cable ends for your personal labeling. For the **QM versions** we use our highly flexible **QUANTUM** tailored for use in stage areas (stage sub-

distributions). This cable can be wound easily by hand and fits nicely anywhere on stage. The configuration that we use as a basis is shown at the end of this catalog under "Wiring Diagrams".

We gladly accept your written orders for other configurations and special designs by fax or e-mail under **support@sommecable.com**.
Always ships with multipin protective bag!



Multipair Multipin female ⇔ Multipin male TOURLOCK, separate grounding, TRANSFER

 compatible

Config. – Multipin	ORDER NO.-LENGTH <i>(Please append length in cm to ORDER NO.)</i>	10 m	25 m	33 m	50 m
8-channel – LK25	TFXA-M08/00-LENGTH				
12-channel – LK37	TFVK-M12/00-LENGTH				
24-channel – LK85	TFVQ-M24/00-LENGTH				
28-channel – LK85	TFVQ-M28/00-LENGTH				
32-channel – LK150	TFVS-M32/00-LENGTH				
40-channel – LK150	TFVS-M40/00-LENGTH				
48-channel – LK150	TFVS-M48/00-LENGTH				



x00800

Multipair Multipin female ⇔ Multipin male TOURLOCK, separate grounding, QUANTUM HIGHFLEX

 compatible

Config. – Multipin	ORDER NO.-LENGTH <i>(Please append length in cm to ORDER NO.)</i>	5 m	10 m	15 m	25 m
8-channel – LK25	QMXA-M08/00-LENGTH				
12-channel – LK37	QMVK-M12/00-LENGTH				



x00801

MULTICORE & POWER DISTRIBUTION SYSTEMS

Audio ▶ Multipair snakes/reels with LK round connector

LK DRUM female ⇔ MULTIPIN male / Separate grounding

We also offer these snakes on professional SCHILL cable reels. Here we distinguish between model versions with an auxiliary take-up and 1 m/3 ft. extra cable and those with a multi-pin connector built right into the reel core.

Multipair on SCHILL GT series cable reel, 1 m reeled at one side on KOMB.RM
LK female ⇔ LK male, separate grounding

Config.	Multipin	ORDER NO.-LENGTH*	Max. length		10 m	25 m	50 m
8-channel	LK25	TFXAGM08/00-LENGTH	135 m				
12-channel	LK37	TFVKGM12/00-LENGTH	100 m				
24-channel	LK85	TFVQGM24/00-LENGTH	45 m				-
32-channel	LK150	TFVSGM32/00-LENGTH	38 m		x00802		

Multipair on SCHILL HT series cable reel, 1 m reeled at one side on KOMB.RM
LK female ⇔ LK male, separate grounding

Config.	Multipin	ORDER NO.-LENGTH*	Max. length		10 m	25 m	50 m
8-channel	LK25	TFXAHM08/00-LENGTH	310 m				
12-channel	LK37	TFVKHM12/00-LENGTH	210 m				
24-channel	LK85	TFVQHM24/00-LENGTH	95 m				
32-channel	LK150	TFVSHM32/00-LENGTH	75 m				
40-channel	LK150	TFVSHM40/00-LENGTH	65 m		x00803		
48-channel	LK150	TFVSHM48/00-LENGTH	45 m			-	

Multipair on SCHILL SK46 series cable reel, 1 m reeled at one side on KOMB.RM
LK female ⇔ LK male, separate grounding

Config.	Multipin	ORDER NO.-LENGTH*	Max. length		10 m	25 m	50 m
40-channel	LK150	TFVSKM40/00-LENGTH	105 m				
48-channel	LK150	TFVSKM48/00-LENGTH	100 m		x00804		



Audio ▶ Multipair snakes/reels with LK round connectors

BUILT-IN MULTIPIN male on REEL ⇔ MULTIPIN female / Separate grounding

Multipair on SCHILL GT series cable reel, built-in multi-pin connector
LK female ⇔ LK insert male, separate grounding

Config.	Multipin	ORDER NO.-LENGTH*	Max. length		10 m	25 m	50 m
8-channel	LK25	TFXJGM08/00-LENGTH	135 m				
12-channel	LK37	TFXMGM12/00-LENGTH	100 m				
24-channel	LK85	TFXVGM24/00-LENGTH	45 m				-
32-channel	LK150	TFXYGM32/00-LENGTH	38 m		x00805		

Multipair on SCHILL HT series cable reel, built-in multi-pin connector
LK female ⇔ LK insert male, separate grounding

Config.	Multipin	ORDER NO.-LENGTH*	Max. length		10 m	25 m	50 m
8-channel	LK25	TFXJHM08/00-LENGTH	310 m				
12-channel	LK37	TFXMHM12/00-LENGTH	210 m				
24-channel	LK85	TFXVHM24/00-LENGTH	95 m				
32-channel	LK150	TFXYHM32/00-LENGTH	75 m				
40-channel	LK150	TFXYHM40/00-LENGTH	65 m		x00806		
48-channel	LK150	TFXYHM48/00-LENGTH	45 m			-	

Multipair on SCHILL SK46 series cable reel, built-in multi-pin connector
LK female ⇔ LK insert male, separate grounding

Config.	Multipin	ORDER NO.-LENGTH*	Max. length		10 m	25 m	50 m
40-channel	LK150	TFXYMM40/00-LENGTH	80 m				
48-channel	LK150	TFXYMM48/00-LENGTH	74 m		x00807		

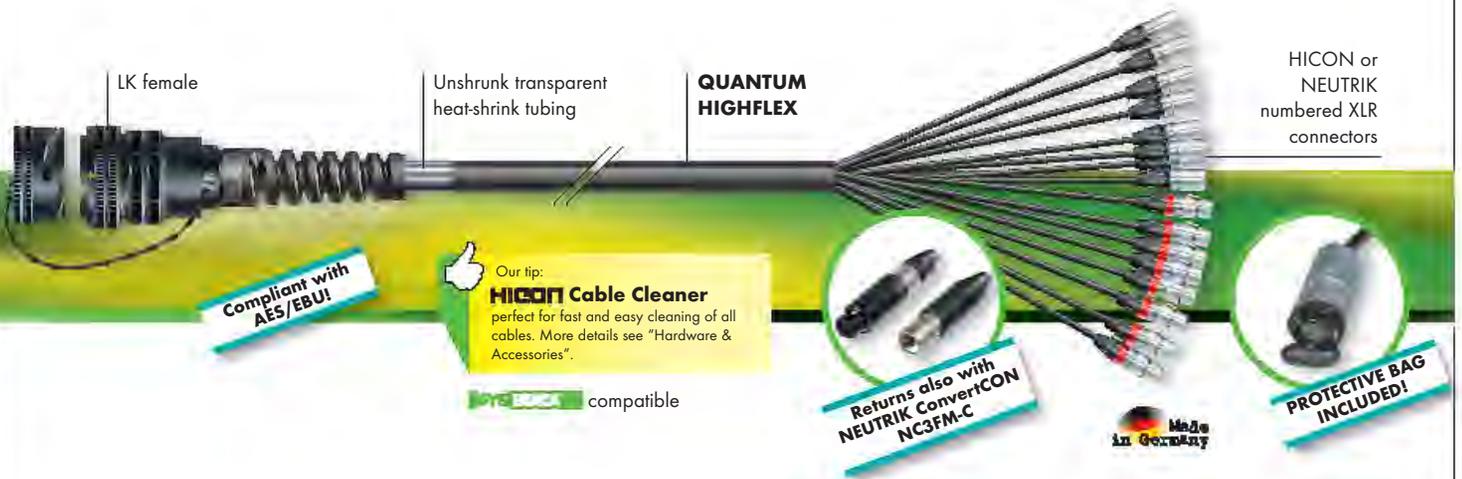
* Please append length in cm to ORDER NO.



Audio ▶ Multipair snakes/reels with LK round connector ▶ **LK female ⇔ XLR BREAKOUT / Separate grounding**

For the construction of these fanouts we use our highly flexible QUANTUM multipair cable with individually insulated and shielded wire pairs. On the XLR side we use high-grade connectors with numbered rings from HICON and NEUTRIK; alternatively we also offer a version with NEUTRIK ConvertCONs on the returns.

As a custom version, we also supply the breakout cables with a braided jacket on each channel. In this case, please replace the "M" (separate ground) at the 6th position of the order number with an "E" (separate ground with braided tube).



Multipair Multipin female TOURLOCK ⇔ Breakout with HICON XLR, separate grounding

Configuration	Multipin	ORDER NO.-LENGTH <i>(Please append length in cm to ORDER NO.)</i>	3 m	6 m	10 m	25 m
8 in / 0 out	LK25	QMJK-M08/00-LENGTH				
8 in / 4 out	LK37	QM5A-M08/04-LENGTH				
12 in / 0 out	LK37	QM5A-M12/00-LENGTH				
16 in / 8 out	LK85	QMYP-M16/08-LENGTH				
20 in / 8 out	LK85	QMYP-M20/08-LENGTH				
24 in / 8 out	LK150	QMZ2-M24/08-LENGTH				
32 in / 8 out	LK150	QMZ2-M32/08-LENGTH				
36 in / 12 out	LK150	QMZ2-M36/12-LENGTH				
40 in / 8 out	LK150	QMZ2-M40/08-LENGTH				



x00808

Multipair Multipin female TOURLOCK ⇔ Breakout with NEUTRIK XLR, separate grounding

Configuration	Multipin	ORDER NO.-LENGTH <i>(Please append length in cm to ORDER NO.)</i>	3 m	6 m	10 m	25 m
8 in / 0 out	LK25	QMXD-M08/00-LENGTH				
8 in / 4 out	LK37	QMV2-M08/04-LENGTH				
12 in / 0 out	LK37	QMV2-M12/00-LENGTH				
16 in / 8 out	LK85	QMV0-M16/08-LENGTH				
20 in / 8 out	LK85	QMV0-M20/08-LENGTH				
24 in / 8 out	LK150	QMVE-M24/08-LENGTH				
32 in / 8 out	LK150	QMVE-M32/08-LENGTH				
36 in / 12 out	LK150	QMVE-M36/12-LENGTH				
40 in / 8 out	LK150	QMVE-M40/08-LENGTH				



x00809

Multipair Multipin female TOURLOCK ⇔ Breakout with NEUTRIK XLR, returns as ConvertCONs, separate grounding

Configuration	Multipin	ORDER NO.-LENGTH <i>(Please append length in cm to ORDER NO.)</i>	3 m	6 m	10 m	25 m
8 in / 0 out	LK25	QMKE-M08/00-LENGTH				
8 in / 4 out	LK37	QMT2-M08/04-LENGTH				
16 in / 8 out	LK85	QMZ1-M16/08-LENGTH				
20 in / 8 out	LK85	QMZ1-M20/08-LENGTH				
24 in / 8 out	LK150	QM33-M24/08-LENGTH				
32 in / 8 out	LK150	QM33-M32/08-LENGTH				
36 in / 12 out	LK150	QM33-M36/12-LENGTH				
40 in / 8 out	LK150	QM33-M40/08-LENGTH				



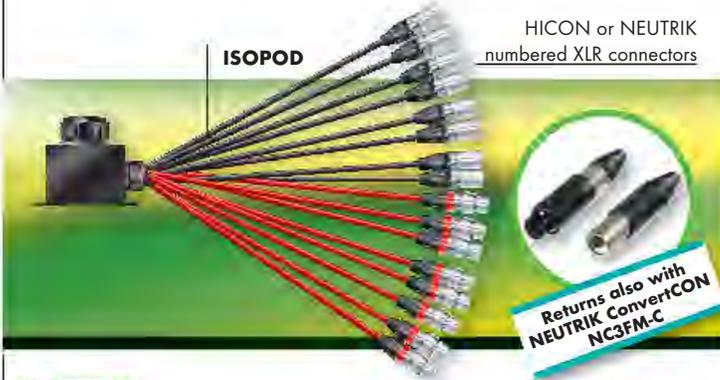
x00810

MULTICORE & POWER DISTRIBUTION SYSTEMS

Audio ▶ Multipair snakes/reels with LK round connector ▶ **MULTIPIN female ⇔ XLR BREAKOUT / Separate grounding**

Custom-designed for you...

... is our assembly housing for the TOURLOCK connectors. It is compact, extremely rugged and can be secured easily with four screws in the console case, etc. The breakout boxes have been assembled with color-coded patch lines (ISOPOD or SCUBA black = send, red = return) and NEUTRIK or HICON XLR connectors. These are individually marked with colored, clearly legible numbered labels.



ISOPOD compatible

Multipair Multipin female with assembly housing TOURLOCK ⇔ Breakout with NEUTRIK XLR, separate grounding

Configuration	Multipin	ORDER NO.-LENGTH*	1.2 m*
8 in / 0 out	LK25	ISXG-M08/00-LENGTH	
8 in / 4 out	LK37	ISV4-M08/04-LENGTH	
12 in / 0 out	LK37	ISV4-M12/00-LENGTH	
16 in / 8 out	LK85	ISVC-M16/08-LENGTH	
20 in / 8 out	LK85	ISVC-M20/08-LENGTH	
24 in / 8 out	LK150	ISVG-M24/08-LENGTH	
32 in / 8 out	LK150	ISVG-M32/08-LENGTH	
36 in / 12 out	LK150	ISVG-M36/12-LENGTH	
40 in / 8 out	LK150	ISVG-M40/08-LENGTH	



SCUBA compatible

Multipair Multipin female TOURLOCK ⇔ Breakout with NEUTRIK XLR, separate grounding

Configuration	Multipin	ORDER NO.-LENGTH*	1.2 m*
8 in / 0 out	LK25	SUXD-M08/00-LENGTH	
8 in / 4 out	LK37	SUV2-M08/04-LENGTH	
12 in / 0 out	LK37	SUV2-M12/00-LENGTH	
16 in / 8 out	LK85	SUV0-M16/08-LENGTH	
20 in / 8 out	LK85	SUV0-M20/08-LENGTH	
24 in / 8 out	LK150	SUVE-M24/08-LENGTH	
32 in / 8 out	LK150	SUVE-M32/08-LENGTH	
36 in / 12 out	LK150	SUVE-M36/12-LENGTH	
40 in / 8 out	LK150	SUVE-M40/08-LENGTH	

* Please add length to ORDER NO; other lengths are available on request

Multipairs shown here come standard with separate grounding. The configuration that we use as a basis is shown at the end of this catalog under "Wiring Diagrams". We gladly accept your written orders for other configurations and special designs by fax or e-mail under support@sommecable.com. **Comes with multipin protective bag!**

Multipair Multipin female with assembly housing TOURLOCK ⇔ Breakout with HICON XLR, separate grounding

Configuration	Multipin	ORDER NO.-LENGTH*	1.2 m*
8 in / 0 out	LK25	ISLE-M08/00-LENGTH	
8 in / 4 out	LK37	IS6A-M08/04-LENGTH	
12 in / 0 out	LK37	IS6A-M12/00-LENGTH	
16 in / 8 out	LK85	IS6H-M16/08-LENGTH	
20 in / 8 out	LK85	IS6H-M20/08-LENGTH	
24 in / 8 out	LK150	IS6Y-M24/08-LENGTH	
32 in / 8 out	LK150	IS6Y-M32/08-LENGTH	
36 in / 12 out	LK150	IS6Y-M36/12-LENGTH	
40 in / 8 out	LK150	IS6Y-M40/08-LENGTH	

Multipair Multipin female with assembly housing TOURLOCK ⇔ Breakout with NEUTRIK XLR, returns as ConvertCONs, separate grounding

Configuration	Multipin	ORDER NO.-LENGTH*	1.2 m*
8 in / 0 out	LK25	ISTF-M08/00-LENGTH	
8 in / 4 out	LK37	ISYQ-M08/04-LENGTH	
12 in / 0 out	LK37	ISYQ-M12/00-LENGTH	
16 in / 8 out	LK85	ISP2-M16/08-LENGTH	
20 in / 8 out	LK85	ISP2-M20/08-LENGTH	
24 in / 8 out	LK150	ISYH-M24/08-LENGTH	
32 in / 8 out	LK150	ISYH-M32/08-LENGTH	
36 in / 12 out	LK150	ISYH-M36/12-LENGTH	
40 in / 8 out	LK150	ISYH-M40/08-LENGTH	

Multipair Multipin female TOURLOCK ⇔ Breakout with HICON XLR, separate grounding

Configuration	Multipin	ORDER NO.-LENGTH*	1.2 m*
8 in / 0 out	LK25	SUJQ-M08/00-LENGTH	
8 in / 4 out	LK37	SU5A-M08/04-LENGTH	
12 in / 0 out	LK37	SU5A-M12/00-LENGTH	
16 in / 8 out	LK85	SUYP-M16/08-LENGTH	
20 in / 8 out	LK85	SUYP-M20/08-LENGTH	
24 in / 8 out	LK150	SUZ2-M24/08-LENGTH	
32 in / 8 out	LK150	SUZ2-M32/08-LENGTH	
36 in / 12 out	LK150	SUZ2-M36/12-LENGTH	
40 in / 8 out	LK150	SUZ2-M40/08-LENGTH	

Multipair Multipin female TOURLOCK ⇔ Breakout with NEUTRIK XLR, returns as ConvertCONs, separate grounding

Configuration	Multipin	ORDER NO.-LENGTH*	1.2 m*
8 in / 0 out	LK25	SUKE-M08/00-LENGTH	
8 in / 4 out	LK37	SUT2-M08/04-LENGTH	
12 in / 0 out	LK37	SUT2-M12/00-LENGTH	
16 in / 8 out	LK85	SUZ1-M16/08-LENGTH	
20 in / 8 out	LK85	SUZ1-M20/08-LENGTH	
24 in / 8 out	LK150	SUQ3-M24/08-LENGTH	
32 in / 8 out	LK150	SUQ3-M32/08-LENGTH	
36 in / 12 out	LK150	SUQ3-M36/12-LENGTH	
40 in / 8 out	LK150	SUQ3-M40/08-LENGTH	

Fiber-optic systems...

...have also become indispensable in today's media technology. In the wake of the triumph in the IT sector, glass fiber is becoming more and more interesting for the media sector.

It's no wonder – because these fiber-optic systems entail numerous benefits:

- they are lightweight
- they are very compact
- they transmit huge amounts of data loss-free over long distances
- they transmit signals floating
- they carry audio, video and network data simultaneously and mixed
- the components keep getting cheaper due to high market penetration

Sadly there are also a few drawbacks. For instance, the customary connectors must be described as mostly "fiddly". The delicate and compact plastic housing contains an even more delicate spring construction. And the widespread lines of the IT sector are not really suitable for our applications.

We here at SOMMER CABLE have been watching these trends from early on, and have developed solutions to make fiber-optic systems reliable and safe to operate even under tough conditions on the road.

Here are a few observations and points we'd like to make:

1. The lines

All lines of the FOC family are available in a different number of fibers (4 – 96 fibers), fiber types (singlemode/multimode) and fiber qualities (OM2, OM3, OM4, OS2, OS3).

We distinguish three different fields of applications:

1.1. Fixed outdoor installation

This is where our **SC-OCTOPUS** family of fiber-optic cables shines with its PE jacket that is longitudinally watertight according to IEC 60794-1-2. The maximum tensile force is 1.6 kN.

1.2. Fixed indoor installation

This is a job for our **SC-OCTOPUS** family of fiber-optic cables with an FRNC jacket. This jacket is flame-retardant and halogen-free.

The line is available in different versions:

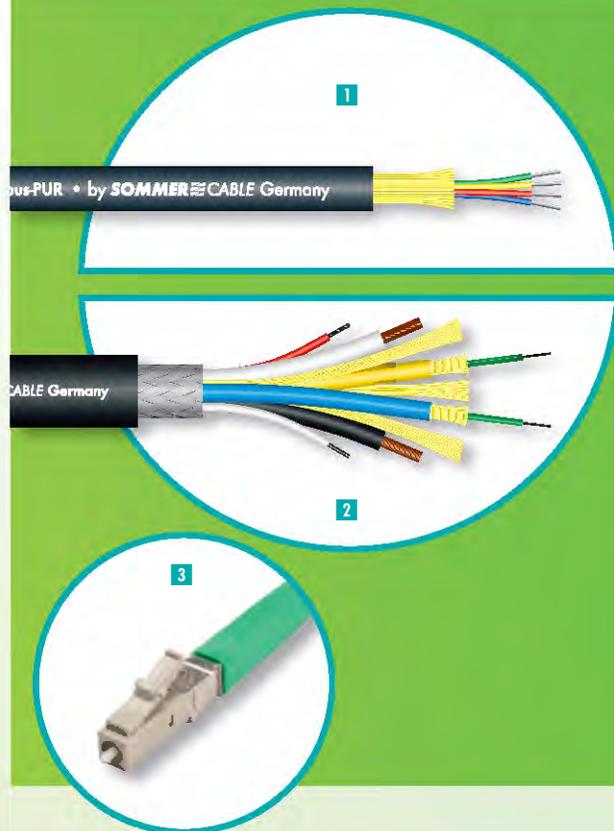
- standard installation line
- mini breakout line
- breakout line

1.3. Mobile indoor and outdoor applications

This is what we're best at! Here the **SC-OCTOPUS** with its rugged PUR-FRNC **1** and the extra-heavy-duty PMB dual jacket truly excel. The cables are highly flexible, easy to reel, lightweight and extremely sturdy.

Our **SC-OCTOPUS HYBRID 222** has the added benefit of integrated power supply lines and signal wires in one PUR cable **2** which would be ideal, for example, in optical triax or IP camera systems.

>>> For these cables, see the "Bulk Cable – Various" section.



2. The connectors

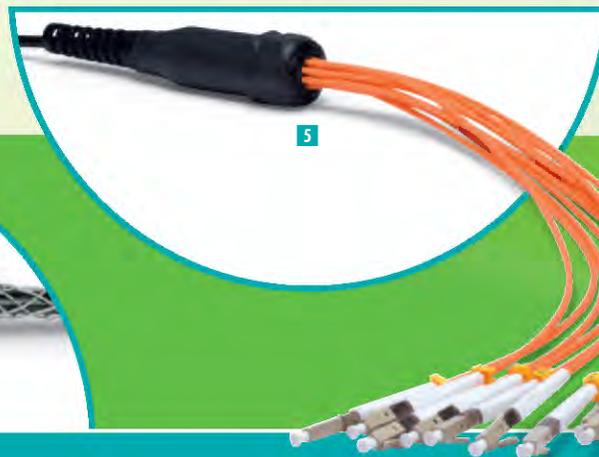
All connectors used by **SOMMER CABLE** are manufactured in Germany. We attach great importance to high-grade system components; so for instance the LC/SC & ST connectors, too, have a metal base body. **3**

Another special solution "Made in Germany" is employed to protect the fanout point in breakout cables. Here we use a metal sleeve with a double cable screw connection (with sleeve support on the cable side). Inside the aramite/aramid threads are secured for optimal strain relief. The hollow-core wires of the breakout pass through a special silicone insert which again ensures good strain relief and excellent tightness (IP68).

Each of our breakouts can also be fitted with an optional protective sleeve for transportation or as a pulling aid during installation. This protective sleeve is easy to install, very rugged and offers perfect protection for the fanout. **4, 5**

The HICON **HI-FIBER4** field FOC connector **6** is an in-house development. It combines a standard LC connector with good reliability, the possibility for field mounting and a high protection class on the compact surface of an XLR connector. The socket can thus be used with a maximum of four standard LC connectors or the **HI-FIBER4-MC**.

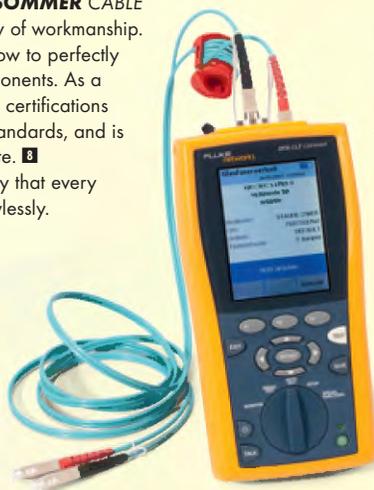
The hermaphrodite expanded beam connector **7** is another product that is „Made in Germany.“ It is called for such applications where even in an open – unplugged – state a protection class exceeding IP67 must be achieved. This connector has already proven itself a 1000 times over – also in the military sector – and is compatible with many current systems on the market.





3. Consistently high build quality

Thanks to our modern production methods **SOMMER CABLE** can always guarantee the same high quality of workmanship. Each of our employees has been trained how to perfectly handle the manufacture of fiber-optic components. As a rule, our measuring equipment performs all certifications in compliance with the relevant TIA/ISO standards, and is continually calibrated and always up-to-date. **8** Thus we can guarantee with 100% certainty that every system which leaves our factory works flawlessly.



4. We listen systematically to your product needs

We here at **SOMMER CABLE** work closely with our customers so that one product idea or another often finds its way into our catalog. Simply talk to us about your special requests. We can do almost anything.

In addition to our in-house **SOMMER CABLE** solutions we also stock the OpticalCon systems made by NEUTRIK.

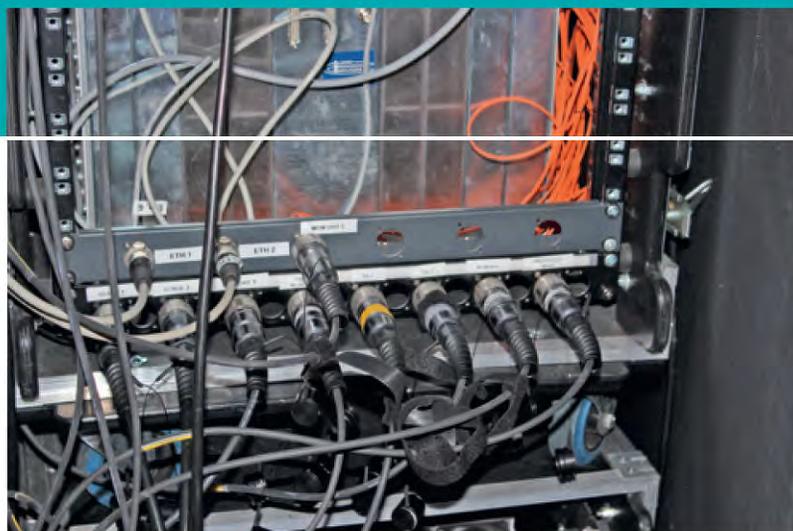
On the following pages you will find a summary of various configuration examples. In case you can't find your desired configuration, please contact our technical support...
...Individual configurations are our daily business.



Lawo RENTAL

"We at Lawo RENTAL have been using the **HICON Fiber4** connectors for about 2 years. During this time the **Fiber4** were utilized hundreds of times and they never let us down. No matter if we dragged them through the snow at the World Ski Championships or through the South African sand at 42°C/108°F: the connection was always secure and dependable. The Fiber4 measures up to what we expect from a professional fiber connector."

Matthias Paha, Lawo RENTAL GmbH, Rastatt, Germany



Digital FOC Distribution Systems ▶ **FRNC-LSOH INSTALLATION VERSION WITH LC/SC CONNECTORS**

A high-speed OM3 fiber-optic line...

... with a halogen-free jacket for permanent installation is the basis for the ready-made LC and SC breakout cables. The breakouts are supplied on a sturdy wooden reel (cable lengths < 30 m/98 ft. are supplied on a smaller space-saving plastic ring).

The breakout point has a solid double screw connection with a special silicone insert which protects and guides the hollow-core wires and also provides good strain relief. The PE version has a longitudinally watertight special jacket which is suitable for underground use and offers rodent protection.

The quality connectors we use are made in Germany, assembled by hand, machine-polished and measured to specification. Each cable is delivered with a test protocol.



ST versions are available on request!

The 4 x **breakout** can also be fitted with an optional **protective hose**. This serves as transport protection and can at the same time be used as a pulling aid. In this case, please replace the "L" at the 6th position of the order number for an "H".

MULTIMODE



FRNC-LSOH Installation version for indoor laying.

Configuration	ORDER NO.-LENGTH*	50 m	150 m	300 m
4 x LC ⇔ 4 x LC	OALY-L04/00-LENGTH			
8 x LC ⇔ 8 x LC	OALY-L08/00-LENGTH			
12 x LC ⇔ 12 x LC	OALY-L12/00-LENGTH			
4 x SC ⇔ 4 x SC	OALX-L04/00-LENGTH			
8 x SC ⇔ 8 x SC	OALX-L08/00-LENGTH			
12 x SC ⇔ 12 x SC	OALX-L12/00-LENGTH			



PE Installation version for underground laying.

Configuration	ORDER NO.-LENGTH*	50 m	150 m	300 m
4 x LC ⇔ 4 x LC	OELY-L04/00-LENGTH			
8 x LC ⇔ 8 x LC	OELY-L08/00-LENGTH			
12 x LC ⇔ 12 x LC	OELY-L12/00-LENGTH			
4 x SC ⇔ 4 x SC	OELX-L04/00-LENGTH			
8 x SC ⇔ 8 x SC	OELX-L08/00-LENGTH			
12 x SC ⇔ 12 x SC	OELX-L12/00-LENGTH			



IP67 outdoor cable for underwater laying up to 50 m water depth.

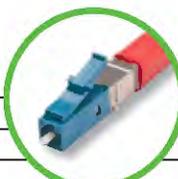
Configuration	ORDER NO.-LENGTH*	50 m	150 m	300 m
4 x LC ⇔ 4 x LC	LDLY-L04/00-LENGTH			
4 x SC ⇔ 4 x SC	LDLX-L04/00-LENGTH			



SINGLEMODE

FRNC-LSOH Installation version for indoor laying.

Configuration	ORDER NO.-LENGTH*	50 m	150 m	300 m
4 x LC ⇔ 4 x LC	OWLY-L04/00-LENGTH			
8 x LC ⇔ 8 x LC	OWLY-L08/00-LENGTH			
12 x LC ⇔ 12 x LC	OWLY-L12/00-LENGTH			
4 x SC ⇔ 4 x SC	OWLX-L04/00-LENGTH			
8 x SC ⇔ 8 x SC	OWLX-L08/00-LENGTH			
12 x SC ⇔ 12 x SC	OWLX-L12/00-LENGTH			



PE Installation version for underground laying.

Configuration	ORDER NO.-LENGTH*	50 m	150 m	300 m
4 x LC ⇔ 4 x LC	OXLY-L04/00-LENGTH			
8 x LC ⇔ 8 x LC	OXLY-L08/00-LENGTH			
12 x LC ⇔ 12 x LC	OXLY-L12/00-LENGTH			
4 x SC ⇔ 4 x SC	OXLX-L04/00-LENGTH			
8 x SC ⇔ 8 x SC	OXLX-L08/00-LENGTH			
12 x SC ⇔ 12 x SC	OXLX-L12/00-LENGTH			



* Please append length in cm to ORDER NO.

MULTICORE & POWER DISTRIBUTION SYSTEMS

Digital FOC Distribution Systems ▶ **MOBILE PUR VERSION WITH LC/SC CONNECTORS**

SC-OCTOPUS PUR...

Just like the installation version, our super flexible PUR field cable is now fitted with OM3 high-speed optical fiber with no exception. This allows the cost-efficient use of fiber-optic systems for mobile applications, as the cable is not thicker or heavier than an audio cable, yet many times more resilient. As with the above-mentioned installation version, the breakout point has our proven dual screw connection with silicone insert.

Additionally the breakout is fitted with a protective hose to serve as transport protection and also as a pull-in/reeling aid. As with the installation version, we use connectors "Made in Germany", which are assembled by hand, machine-polished and then tagged with a test protocol.

Teamed with the proven SCHILL cable reels, we also supply a compact and lightweight reel solution in 2 different versions:

- 1.) with auxiliary coil on the reel side, i. e. 2 m/6.6 ft. of the cable are reeled on an auxiliary winding on the reel side.
- 2.) with panel connectors on the reel side, i.e. the reel core is equipped with appropriate sockets.



MULTIMODE



Mobile PUR version plugs – plugs, w. breakout protection

Configuration	ORDER NO.-LENGTH <i>(Please append length in cm to ORDER NO.)</i>		5 m	10 m	20 m
4 x LC ⇔ 4 x LC	LDLY-H04/00-LENGTH				
4 x SC ⇔ 4 x SC	LDLX-H04/00-LENGTH				

Mobile PUR version plugs – plugs, on SCHILL HT series cable reel, w. breakout protection IP67 outdoor cable for underwater laying up to 50 m water depth.

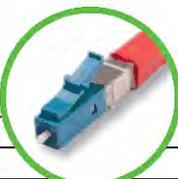
Configuration	ORDER NO.-LENGTH <i>(Please append length in cm to ORDER NO.)</i>	Max. length	50 m	150 m	300 m
4 x LC ⇔ 4 x LC	LDLYHH04/00-LENGTH	950 m			
4 x SC ⇔ 4 x SC	LDLXHH04/00-LENGTH	950 m			

Mobile PUR version plugs – sockets, core-mounted on SCHILL HT series cable reel, w. breakout protection IP67 outdoor cable for underwater laying up to 50 m water depth.

Configuration	ORDER NO.-LENGTH <i>(Please append length in cm to ORDER NO.)</i>	Max. length	50 m	150 m	300 m
4 x LC ⇔ 4 x LC	LDLEHH04/00-LENGTH	950 m			
4 x SC ⇔ 4 x SC	LDSEHH04/00-LENGTH	950 m			

SINGLEMODE

Mobile PUR version plugs – plugs, w. breakout protection

Configuration	ORDER NO.-LENGTH <i>(Please append length in cm to ORDER NO.)</i>		5 m	10 m	20 m
4 x LC ⇔ 4 x LC	OZLY-H04/00-LENGTH				
4 x SC ⇔ 4 x SC	OZLX-H04/00-LENGTH				

Mobile PUR version plugs – plugs, on SCHILL HT series cable reel, w. breakout protection

Configuration	ORDER NO.-LENGTH <i>(Please append length in cm to ORDER NO.)</i>	Max. length	50 m	150 m	300 m
4 x LC ⇔ 4 x LC	OZLYHH04/00-LENGTH	950 m			
4 x SC ⇔ 4 x SC	OZLXHH04/00-LENGTH	950 m			

Mobile PUR version plugs – sockets, core-mounted on SCHILL HT series cable reel, w. breakout protection

Configuration	ORDER NO.-LENGTH <i>(Please append length in cm to ORDER NO.)</i>	Max. length	50 m	150 m	300 m
4 x LC ⇔ 4 x LC	OZLEHH04/00-LENGTH	950 m			
4 x SC ⇔ 4 x SC	OZSEHH04/00-LENGTH	950 m			

MULTICORE & POWER DISTRIBUTION SYSTEMS

Digital FOC Distribution Systems ▶ **MOBILE PUR VERSION WITH HICON FIBER4**

The HI-FIBER4 SYSTEM...

... marks the crest of HICON's connector evolution. The **HI-FIBER4-MC** cable plug combines two LC-Duplex connections in the inner area of an XLR connector. It locks reliably using push-pull technology, sheltering the delicate interior with a spring-loaded protecting tube and two prongs which double as a slide-in aid. The well functioning strain relief with sleeve support and the massive aluminum protective cover guarantee trouble-free operation under tough conditions on the road.

The matching **HI-FIBER4-FD** socket can either be front or rear mounted in panels with a maximum thickness of 4 mm/0.16". It has the same mating pattern on both sides, so alternatively it can be loaded directly with standard LC connectors as well. On the other hand it will also double as a direct extension adapter. The main advantage of the HICON **HI-FIBER4** system is its suitability for field assembly. **SOMMER CABLE** offers special trainings for this purpose.

The LC connectors we use are "Made in Germany", assembled by hand, machine-polished and then tagged with a test protocol.

LDF4GL04/00-...



We supply 3 different versions:

- 1.) as plain cable
- 2.) as reel version with 2 m/6.6 ft. end piece on auxiliary coil
- 3.) as reel version with built-in socket

With the vast range of **fiber adapters** available (some pages further) you can **integrate** our **HI-FIBER4 SYSTEMS easily and cost-effectively** into your existing connection periphery, e.g. to all OpticalCON, ST, SC, LC, FiberLENS connections and, of course, among each other as well.



MULTIMODE

HICON HI-FIBER4-MC ⇔ HI-FIBER4-MC
IP67 outdoor cable for underwater laying down to 50 m water depth.

Configuration	ORDER NO.-LENGTH <i>(Please append length in cm to ORDER NO.)</i>			
		5 m	10 m	20 m
4 x LC	LDF4-L04/00-LENGTH			



HICON HI-FIBER4-MC ⇔ HI-FIBER4-MC on SCHILL HT series cable reel
IP67 outdoor cable for underwater laying down to 50 m water depth.

Configuration	ORDER NO.-LENGTH <i>(Please append length in cm to ORDER NO.)</i>	Max. length*			
			50 m	150 m	300 m
4 x LC	LDF4HL04/00-LENGTH	350 m			



HICON HI-FIBER4-MC ⇔ HI-FIBER4-FD core-mounted socket, on SCHILL HT series cable reel
IP67 outdoor cable for underwater laying down to 50 m water depth.

Configuration	ORDER NO.-LENGTH <i>(Please append length in cm to ORDER NO.)</i>	Max. length*			
			50 m	100 m	300 m
4 x LC	LDFEHL04/00-LENGTH	350 m			



SINGLEMODE

HICON HI-FIBER4-MC ⇔ HI-FIBER4-MC

Configuration	ORDER NO.-LENGTH <i>(Please append length in cm to ORDER NO.)</i>			
		5 m	10 m	20 m
4 x LC	OZF4-L04/00-LENGTH			



HICON HI-FIBER4-MC ⇔ HI-FIBER4-MC on SCHILL GT series cable reel

Configuration	ORDER NO.-LENGTH <i>(Please append length in cm to ORDER NO.)</i>	Max. length*			
			50 m	150 m	300 m
4 x LC	OZF4GL04/00-LENGTH	500 m			



HICON HI-FIBER4-MC ⇔ HI-FIBER4-FD core-mounted socket, on SCHILL GT series cable reel

Configuration	ORDER NO.-LENGTH <i>(Please append length in cm to ORDER NO.)</i>	Max. length*			
			50 m	150 m	300 m
4 x LC	OZFEGLO4/00-LENGTH	500 m			



*greater lengths on request

MULTICORE & POWER DISTRIBUTION SYSTEMS



OZFEGLO4/00...

Your benefits at a glance:

- >> Robust, compact field connection system for optical signal transmission
- >> Complete with dirt protection cap
- >> Convenient push-pull quick-release fastener
- >> Sealed system with IP68 protection class in plugged condition
- >> High packing density, panel socket in the D flange format – rear mountable
- >> Installation socket and universal cable coupling in one
- >> Easy connection to existing LC systems
- >> Assembly and revision by any experienced fiber-optic technician (LC)
- >> Cost-efficient user assembly trainings



HICON ▶ MATCHING HICON INSTALLATION SOCKET & PROTECTIVE CAP



DESCRIPTION	ORDER NO.
4 x LC coupling for installation and extension D flange with 4xM3 threads	HI-FIBER4-FD



DESCRIPTION	ORDER NO.
Protective cap with fastening cord for LC coupling HI-FIBER4-FD	HI-FIBER4-FCAP



x00884

HICON ▶ ACCESSORIES



DESCRIPTION	ORDER NO.
1 Professional toolbox for HI-FIBER4 system containing: Syringe, canula, AlcoPads, fiber stripper, stripping tool, aramid scissors, epoxy adhesive, polishing foils and disc, drying cabinet, microscope 200 x, etc. <i>More information and illustrations can be found in the "Accessories" section at the end of this catalog.</i>	HI-WLC-SET
2 One-click cleaner for fiber-optic plugs, also in recessed position, without deinstallation	FIBERCLEAN
3 200 Cleaning wipes for all fiber-optic ends	FIBERWIPES



x00886

Digital FOC Distribution Systems ▶ **MOBILE VERSION WITH NEUTRIK OPTICALCON**

The OpticalCON-System...

... of the connector manufacturer NEUTRIK from Liechtenstein is already well known in the industry. And everywhere in the technical domains of sound, light or video, optical fiber connections can be used there.

Based on LC connectors in a mechanically sturdy housing and teamed with a good strain relief and a push-pull lock, the result is a dependable connection. The ferrules inside of the connector are protected from dirt by a flap which closes and opens automatically.

SOMMER CABLE offers the system in a DUO (2 fibers) or QUAD (4 fibers) version with a PUR cable. We offer both a reeled and an unreeled version. The economically priced LITE version has a cable with a polymer jacket for less demanding applications.



Our tip: **KLETT25M-300** ...Velcro straps with metal loops in different colors. Read more in the "Hardware & Accessories" section.

MULTIMODE, 2/4 x 50/125 μm

OpticalCON ↔ OpticalCON, plugs

Configuration	ORDER NO.-LENGTH <i>(Please append length in cm to ORDER NO.)</i>	5 m	10 m	20 m
OpticalCON Duo LITE (2-fiber)	NKO2M-L-0-LENGTH			
OpticalCON Duo (2-fiber)	NKO2M-A-0-LENGTH			
OpticalCON Quad (4-fiber)	NKO4M-A-0-LENGTH			



OpticalCON ↔ OpticalCON on SCHILL reel, plugs

Configuration	ORDER NO.-LENGTH <i>(Please append length in cm to ORDER NO.)</i>	Reel	Max. length*	50 m	100 m	150 m	300 m
OpticalCON Duo (2-fiber)	NKO2M-A-2-LENGTH	GT310	200 m				-
OpticalCON Duo (2-fiber)	NKO2M-A-3-LENGTH	HT381	400 m				-
OpticalCON Quad (4-fiber)	NKO4M-A-2-LENGTH	GT310	150 m				-
OpticalCON Quad (4-fiber)	NKO4M-A-3-LENGTH	HT381	300 m				-



SINGLEMODE, 2/4 x 9/125 μm

OpticalCON ↔ OpticalCON, plugs

Configuration	ORDER NO.-LENGTH <i>(Please append length in cm to ORDER NO.)</i>	5 m	10 m	20 m
OpticalCON Duo LITE (2-fiber)	NKO2S-L-0-LENGTH			
OpticalCON Duo (2-fiber)	NKO2S-A-0-LENGTH			
OpticalCON Quad (4-fiber)	NKO4S-A-0-LENGTH			



OpticalCON ↔ OpticalCON on SCHILL reel, plugs

Configuration	ORDER NO.-LENGTH <i>(Please append length in cm to ORDER NO.)</i>	Reel	Max. length*	50 m	100 m	150 m	300 m
OpticalCON Duo (2-fiber)	NKO2S-A-2-LENGTH	GT310	200 m				-
OpticalCON Duo (2-fiber)	NKO2S-A-3-LENGTH	HT381	400 m				-
OpticalCON Quad (4-fiber)	NKO4S-A-2-LENGTH	GT310	150 m				-
OpticalCON Quad (4-fiber)	NKO4S-A-3-LENGTH	HT381	300 m				-



*greater lengths on request

MULTICORE & POWER DISTRIBUTION SYSTEMS

NEUTRIK ▶ **CLEANING KIT FOR OPTICALCON**

- Hand microscope, 400 x magnification
- OpticalCON microscope adapter (allows microscopic surface inspection on OpticalCON DUO, OpticalCON QUAD and LC connectors)
- 2.5 mm/0.098" microscope adapter (for microscopic surface inspection on 2.5 mm/0.098" ferrules like used on ST, SC and FC connectors)
- OpticalCON cleaning box (contains lint-free drying cloths; the appliance has been optimized for OpticalCON optical fiber clean-up)
- 1.25 mm/0.049" DRY cleaner (for cleaning OpticalCON sockets; dry LC surface cleaning possible)
- 2.5 mm/0.098" DRY cleaner (for cleaning ST, SC and FC feed-through connectors; surface cleaning on cable plugs possible)
- Optical fiber cleaning spray (non-flammable)
Consumables can be re-ordered.



ORDER NO.
CAS-FOCD

NEUTRIK ▶ **SUITABLE NEUTRIK SOCKETS**



Connection: LC-Duplex

ORDER NO.

Advanced

NO2-4FDW-A



Connection: LC-Quad

ORDER NO.

Advanced

NO4-FDW-A



Prices subject to change - depending on NEUTRIK's daily current rates

Digital FOC Distribution Systems ▶ **MOBILE PUR VERSION WITH FIBER LENS QUAD (UNISEX STYLE)**

Beam us up...

... could be the motto for our expanded beam connector (IP67 protection class) according to MIL standard. It combines the latest in optical lens technology with fiber-optic transmission.

By expanding the light beam with the help of a lens the risk of error is considerably reduced. This guarantees more stable transmission rates and trouble-free operation. The plug-in connection is compatible with various systems available on the market.

As with all other fiber-optic systems we use quality products "Made in Germany" exclusively. Each system is measured with our high-end measuring equipment and tagged with a test protocol. Regarding the cable, again we chose the OM3 version of our **SC-OCTOPUS** PUR line.

We also offer the ready-made **FIBER LENS QUAD** cable in different versions:

- 1.) as plain cable
- 2.) as reel version with 2 m/6.6 ft. end piece on auxiliary coil
- 3.) as reel version with built-in socket

Compatible with
FiberFox, Optocore,
SmartBeam, etc.



MULTIMODE



Fiber Lens Quad ⇔ Fiber Lens Quad

Configuration	ORDER NO.-LENGTH <i>(Please append length in cm to ORDER NO.)</i>		5 m	10 m	20 m
4 x	O3CR-L04/00-LENGTH				

Fiber Lens Quad ⇔ Fiber Lens Quad, on SCHILL GT series cable reel

Configuration	ORDER NO.-LENGTH <i>(Please append length in cm to ORDER NO.)</i>	Max. length		50 m	150 m	300 m
4 x	O3CRGL04/00-LENGTH	500 m				

Fiber Lens Quad ⇔ Fiber Lens Quad, core-mounted socket, on SCHILL GT series cable reel

Configuration	ORDER NO.-LENGTH <i>(Please append length in cm to ORDER NO.)</i>	Max. length		50 m	150 m	300 m
4 x	O3CSGL04/00-LENGTH	500 m				

SINGLEMODE

Fiber Lens Quad ⇔ Fiber Lens Quad

Configuration	ORDER NO.-LENGTH <i>(Please append length in cm to ORDER NO.)</i>		5 m	10 m	20 m
4 x	OZCR-L04/00-LENGTH				

Fiber Lens Quad ⇔ Fiber Lens Quad, on SCHILL GT series cable reel

Configuration	ORDER NO.-LENGTH <i>(Please append length in cm to ORDER NO.)</i>	Max. length		50 m	150 m	300 m
4 x	OZCRGL04/00-LENGTH	500 m				

Fiber Lens Quad ⇔ Fiber Lens Quad core-mounted socket, on SCHILL GT series cable reel

Configuration	ORDER NO.-LENGTH <i>(Please append length in cm to ORDER NO.)</i>	Max. length		50 m	150 m	300 m
4 x	OZCSGL04/00-LENGTH	500 m				

MULTICORE & POWER DISTRIBUTION SYSTEMS

Broadcast ▶ HD Camera cable SMPTE311M ▶ **SC-OCTOPUS HYBRID****NEW!**

Our flexible, universal **OCTOPUS-HYBRID** cable with its flame-retardant PUR-compound jacket guarantees the safe HD-/3G-/6G-SDI camera signal transmission for indoor and outdoor applications with all digital broadcast HD cameras from all leading manufacturers.

It is equipped with the push-pull SMPTE311M connectors (FUW male - female PUW) from LEMO for simultaneous transmission of power, control, picture, sound and sync signals to the camera control base or a connected patch panel. On request the cable is available on SCHILL broadcasting reels.

1 Camera cable FUW male cable plug ⇔ PUW female cable socket

ORDER NO.	Cable drum	Length
OLGO-244-0100	-	1 m
OLGO-244-0300	-	3 m
OLGO-244-0500	-	5 m
OLGO-244-1000	-	10 m
OLGO-244-2500	-	25 m
OLG0H244-5000	HT380	50 m
OLG0H244-1H00	HT380	100 m
OLG0H244-1H50	HT480	150 m



x00903

**Broadcast panel-mount adapter SMPTE ⇔ 2 x fiber + male 4-pole XLR (power)**

ORDER NO.	Lefthand connection	Righthand connection	Length
2 OL2R-244-0050	FUW male cable plug	2 x female LC + male 4-pole XLR in compact housing	0.5 m
3 OL2T-244-0050	FUW male cable plug	1 x NEUTRIK OpticalCON Duo + male 4-pole XLR in compact housing	0.5 m



x00905

**Installation/panel-mount adapter FMW male installation plug ⇔ PUW female cable socket**

ORDER NO.	Length
4 OL2U-244-0100	1.0 m



x00906

Installation/panel-mount adapter FMW male panel-mount plug ⇔ PBW female panel-mount socket

ORDER NO.	Length
5 OL37-244-0100	1.0 m



x00907

Installation splices FMW male installation plug ⇔ breakout

ORDER NO.	Splice	Length
OL3G-244-0020	2 x male LC + 2 x free cable end 0.50 m for power	0.20 m
6 OL3Q-244-0020	2 x male LC + male 4-pole XLR	0.20 m
OLL5-244-0020	2 x male LC + 2-pin Phoenix clamp	0.20 m



x00909

Installation module SYSBOXX / SYSPAN, with panel-mount FXW plug at the front (e.g., to integrate BlackMagic systems) mounted in 1 WU SYSBOXX module, SYKS-2 housing, for rear side see table

ORDER NO.	Rear side
SMPTE-1039	2 x male LC + 2-pin Phoenix clamp, with cable
SMPTE-1014	2 x female LC + 1 x male 4-pole installation XLR, mounted on faceplate
SMPTE-1024	1 x OpticalCON Duo + 1 x male 4-pole installation XLR, mounted on faceplate



x00911

Compact housing, with EDW installation socket at the front (e.g., to integrate BlackMagic systems) mounted in SYKS-2 housing, for rear side see table

ORDER NO.	Rear side
SMPTE-2015	2 x female LC + 1 x female 4-pole installation XLR, mounted on faceplate
SMPTE-2038	2 x male LC + 1 x female 4-pole installation XLR, with 0.50 m cable



x00912



NEW!

Hybrid connection cable for camera systems (e.g., Blackmagic Design)

4K and 8K camera systems will now only require one solid 9.2 mm/0.362" line for the picture transmission (2 x OS2), control data (2 x 2 x AWG24) and power supply (4 x AWG20).

The GLANDMASTER™ breakout system provides a clean separation and strain relief of the individual connection leads to the camera. Aramid and braided copper screens ensure a high level of robustness. The connection solutions are optionally available as a SCHILL drum system.



SOMMER CABLE OCTOPUS HYBRID 244 in the GLANDMASTER™ version, pictured in the 100 m/328 ft. version on a SCHILL GT380 reel

SOMMER CABLE OCTOPUS HYBRID 244 with breakout box in use with a 4K high-resolution camera

FOC hybrid cable 2 x singlemode 9/125 + 4 x copper

ORDER NO.-LENGTH <i>(Please append length in cm to ORDER NO.)</i>	Lefthand connectors	Righthand plug	50 m	100 m	150 m
OL9E-244-LENGTH	2 x male LC + 1 x male 4-pole XLR with 0.50 m splice	2 x LC + 1 x female 4-pole XLR, with 0.50 m splice			
OLLA-244-LENGTH	2 x male LC + 1 x male 4-pole XLR with 0.50 m splice	2 x LC + 1 x female 4-pole XLR in housing			



FOC hybrid cable 2 x singlemode 9/125 + 4 x copper, on SCHILL type HT cable drum

ORDER NO.-LENGTH <i>(Please append length in cm to ORDER NO.)</i>	Lefthand connectors, drum core	Righthand plug	50 m (HT380)	100 m (HT380)	150 m (HT480)
OL8PH244-LENGTH	2 x female LC + 1 x 4-pole installation XLR, male	2 x LC + 1 x female 4-pole XLR with 0.50 m splice			
OL7BH244-LENGTH	2 x female LC + 1 x 4-pole installation XLR, male	2 x LC + 1 x female 4-pole XLR in housing			



On these hybrid connection systems with BNC we use our compact Transit MC3202HD (20.9 mm/0.823") equipped with 3 x 3G-SDI, 2 x AWG26 for AES-EBU and 2 x AWG18 for power.

Hybrid cable 3 x 3G-SDI 1.2/5.0 coax + 4 x copper

ORDER NO.-LENGTH <i>(Please append length in cm to ORDER NO.)</i>	Lefthand connectors	Righthand connectors	50 m	70 m	100 m
BGJ1-3202-LENGTH	HICON 3 x BNC + 2 x 3-pole XLR + 1 x 4-pole XLR, male	HICON 3 x BNC + 2 x 3-pole XLR + 1 x 4-pole XLR, female			
BGKM-3202-LENGTH	NEUTRIK 3 x BNC + 2 x 3-pole XLR + 1 x 4-pole XLR, male	NEUTRIK 3 x BNC + 2 x 3-pole XLR + 1 x 4-pole XLR, female			



Hybrid cable 3 x 3G-SDI 1.2/5.0 coax + 4 x copper, on SCHILL SK46 cable drum

ORDER NO.-LENGTH <i>(Please append length in cm to ORDER NO.)</i>	Lefthand connectors	Righthand connectors	50 m (SK4600)	70 m (SK4601)	100 m (SK4602)
BGJ1K3202-LENGTH	HICON 3 x BNC + 2 x 3-pole XLR + 1 x 4-pole XLR, male	HICON 3 x BNC + 2 x 3-pole XLR + 1 x 4-pole XLR, female			
BGKMK3202-LENGTH	NEUTRIK 3 x BNC + 2 x 3-pole XLR + 1 x 4-pole XLR, male	NEUTRIK 3 x BNC + 2 x 3-pole XLR + 1 x 4-pole XLR, female			



MULTICORE & POWER DISTRIBUTION SYSTEMS

Digital FOC Distribution Systems ▶ **HDMI® FIBER EXTENDER**

NEW!

For demanding picture signals...

HD signals with a high data rate often cause problems with transmission distances greater than 10 meter/30 feet!

With the new HDMI®-over-FIBER system from CARDINAL-DVM these signals, including RS232 and infrared information, can be transmitted with no hassle over distances of up to 300 m/984 ft. using a single OM3 multimode line.

This enables the bi-directional transmission of EDID information, with the HDCP copy protection standard supported up to version 2.2.

For this purpose, we offer the robust and compact housing (known from the DVM-120 series) in two stocking versions:

- a stand-alone housing measuring 68 x 36 x 145 mm/2.7 x 1.4 x 5.7"
- an assembly housing to mount into a SYSBOXX frame or SYSPANEL 5XL

The connectors for the power supply, HDMI® as well as IR/RS232 are robust HICON all-metal versions and thus perfectly suitable for tough road use.

For the reliable connection of the fiber-optic cable, we offer one model with our HICON-FIBER4 and another version incorporating a NEUTRIK OpticalCON DUO chassis-mount socket.

The ready-to-use DVM-HDFKA device kits constitute a cost-effective, stress-free package for HDMI® signal transmission over fiber-optic lines, containing transmitter, receiver, fiber-optic cable, power adapters and an HDMI® connection lead of 1.5 m/5 ft. length.

In the DVM-HDFKB-.... versions the transmitter is built into the SYSPAN5-XL, along with an integrated power supply, for easy installation in a 19" rack.

APPLICATIONS:

- Transmission of HDMI® signals up to 4K x 2K in a mobile production environment
- Rental business

PRODUCT BENEFITS:

- Up to 300 m/984 ft. transmission distance via multimode fibers
- Supports HDMI® 1.4 A
- DVI support up to 1920 x 1200 px
- Supports resolutions up to 4K x 2K
- Compact and economically priced
- Flexible use
- Transmission of IR & RS232 control data
- Supports HDCP up to version 2.2
- Bi-directional EDID transmission



MULTICORE & POWER DISTRIBUTION SYSTEMS

ORDER NO.	VERSION
1 DVM-HDF4-RX	HDMI® over HICON-FIBER4, receiver
DVM-HDF4-RX-SY	HDMI® over HICON-FIBER4, installation receiver
1 DVM-HDF4-TX	HDMI® over HICON-FIBER4, transmitter
DVM-HDF4-TX-SY	HDMI® over HICON-FIBER4, installation transmitter
DVM-HD02-RX	HDMI® over NEUTRIK OpticalCON Duo, receiver
DVM-HD02-RX-SY	HDMI® over NEUTRIK OpticalCON Duo, installation receiver
DVM-HD02-TX	HDMI® over NEUTRIK OpticalCON Duo, transmitter
DVM-HD02-TX-SY	HDMI® over NEUTRIK OpticalCON Duo, installation transmitter
DVM-HDF-RS232	RS232 adapter, 1 m RJ45 ⇔ DSUB09 female
DVM-HDF-IRTX	IR TX adapter (for projectors with a mono mini phone plug input), 1 m
DVM-HDF-IR	complete IR-KIT incl. cable adapter (consisting of 2 x IR transmitter, 2 x IR receiver, 2 x adapter)

ORDER NO.	VERSION
DVM-HDFKA-1H50	DVM series HDMI® over FIBER4-Kit 150 m, GT310
2 DVM-HDFKA-3H00	DVM series HDMI® over FIBER4-Kit 300 m, GT450
DVM-HDFKB-1H50	DVM series HDMI® over FIBER4-Kit 150 m, 19"
DVM-HDFKB-3H00	DVM series HDMI® over FIBER4-Kit 300 m, 19"

ORDER NO.	DESCRIPTION
3 DVM-194-PS1	Power supply for 194 series, max. 3 devices 25 W/24 V
DVM-194-PS3	Cable power supply for 19/4 series, max. 1 device, 12 W/23 V

Digital FOC Distribution Systems ▶ Mobile version Hybrid PUR ▶ **FIBER LOOM / LOOM ON REEL**

Universal Fiber Power...

... is here for you with **4 x OM3** multimode, **3 x 2.5 mm² / AWG13** (16 A / 240 V) and 2 x 2 x AWG24 for **4 x control** or 2 x AES/EBU. With its 13.4 mm/0.528" the **OCTOPUS HYBRID 443** is extremely **compact** and so **lightweight** that we can offer 100 m/330 ft. systems on the compact **HT481** reel series. These are optionally available with **HAN-ECO** multiconnector and/or spliced, e.g. with the **HI-FIBER4+powerCON+XLR**.

Our OCTOPUS 443 systems provide you with **future-oriented transmission technology** in an **ultra-compact lightweight design**.

With the large range of **fiber adapters** listed here (several pages further) our **HI-FIBER4 SYSTEMS** can be **perfectly integrated** into your existing connection periphery **at a reasonable price**, e.g. on all OpticalCON, ST, SC, LC connections and, of course, among each other as well.



4 x Fiber + 2 x XLR male/female + Schuko cable plug ⇔ **4 x Fiber + 2 x XLR male/female + Schuko cable socket**

The Schuko plug we use is compatible with the electric outlets in France and Belgium.



Version	ORDER NO.-LENGTH <i>(Please append length in cm to ORDER NO.)</i>
1 4 x LC	OH30-H01/01-LENGTH
2 HI-FIBER4-MC	OH1V-L01/01-LENGTH



10 m	25 m	50 m
	-	-



4 x Fiber + 2 x XLR male/female + Schuko cable plug ⇔ **4 x Fiber + 2 x XLR male/female + Schuko cable socket on reel**

The Schuko plug we use is compatible with the electric outlets in France and Belgium.

Version	ORDER NO.-LENGTH <i>(Please append length in cm to ORDER NO.)</i>
3 HI-FIBER4-MC	OH1VHL01/01-LENGTH
4 4 x LC	OH30HH01/01-LENGTH



50 m	75 m	100 m



Digital FOC Distribution Systems ▶ Mobile version Hybrid PUR ▶ **STAGEBOX PROFESSIONAL TO BREAKOUT**

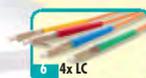
STAGEBOX PROFESSIONAL w. HICON 4-way LC + XLR panel mount connector + XLR panel-mount socket + powerCON blue ⇔ **4 x Fiber + 2 x XLR male/female + power cable socket**



Version	ORDER NO.-LENGTH <i>(Please append length in cm to ORDER NO.)</i>
5 HI-FIBER4-MC	YHCZ-L01/01-LENGTH
6 4 x LC	YHF5-H01/01-LENGTH



10 m	25 m	50 m



For international versions, please code your order based on the example of YHCZ-L01/01-LENGTH:

-  For UK please replace "/" by "U": YHCZ-L01 **U**01-LENGTH
-  For USA please replace "/" by "A": YHCZ-L01 **A**01-LENGTH

-  For France please replace "/" by "F": YHCZ-L01 **F**01-LENGTH
-  For Switzerland please replace "/" by "C": YHCZ-L01 **C**01-LENGTH

Digital FOC Distribution Systems ▶ Mobile version Hybrid PUR ▶ **STAGEBOX PUR TO MULTIPIN ON CABLE END**



x00943

4 x Fiber + 2 x XLR male/female + powerCON blue ↔ Multipin female (HAN-ECO, w/o clamp, angled)

Version	ORDER NO.-LENGTH (Please append length in cm to ORDER NO.)	10 m	25 m	50 m
1 HI-FIBER4-FP w. 4 x LC input	YH14-L01/01-LENGTH			



Multipin male (HAN-ECO, assembly housing w. 2 clamps) ↔ 4 x Fiber + 2 x XLR male/female + Schuko cable socket

Version	ORDER NO.-LENGTH (Please append length in cm to ORDER NO.)	1.2 m
2 HI-FIBER4-MC	OH85-L01/01-LENGTH	
3 4 x LC	OH4E-H01/01-LENGTH	



x00945



MULTICORE & POWER DISTRIBUTION SYSTEMS

Digital FOC Distribution Systems ▶ Mobile version Hybrid PUR ▶ **STAGEBOX PUR TO MULTIPIN + MATCHING CONNECTION CABLES**

4 x Fiber + 2 x XLR male/female + powerCON blue ↔ Multipin female (HAN-ECO, sidemount housing w. 2 clamps)

Version	ORDER NO.
4 HI-FIBER4-FP w. 4 x LC input	YHE7-L01/01



x00948



Multipin male (HAN-ECO, w/o clamps) ↔ 4 x Fiber + 2 x XLR male/female + Schuko cable socket

Version	ORDER NO.-LENGTH (Please append length in cm to ORDER NO.)	10 m	25 m	50 m
5 HI-FIBER4-MC	OH1A-L01/01-LENGTH			
6 4 x LC	OH7L-H01/01-LENGTH			



x00949



For the international versions, please code your order based on the example of OH1A-L01/01-LENGTH:
 UK For UK please replace "/" by "U": OH1A-L01U01-LENGTH
 FR For France please replace "/" by "F": OH1A-L01F01-LENGTH
 US For USA please replace "/" by "A": OH1A-L01A01-LENGTH
 CH For Switzerland please replace "/" by "C": OH1A-L01C01-LENGTH



WARNING: Avoid direct eye contact by all means - retinal hazard!



Multipin male (HAN-ECO w/o clamp) ⇔
Multipin female (HAN-ECO w/o clamp, angled)



Version	ORDER NO.-LENGTH <i>(Please append length in cm to ORDER NO.)</i>	10 m	25 m	50 m
1 MP ⇔ MP	OH1U-L01/01-LENGTH			



4 x Fiber + 2 x XLR male/female + Schuko cable plug
⇔ Multipin female (HAN-ECO w. 2 clamps)

FR The Schuko plug we use is compatible with the electric outlets in France and Belgium. No adaptation of order code required.



Version	ORDER NO.-LENGTH <i>(Please append length in cm to ORDER NO.)</i>	1.2 m
2 HI-FIBER4-MC	OH1C-L01/01-LENGTH	
3 4 x LC	OH8L-H01/01-LENGTH	



Multipin male (HAN-ECO, assembly housing w. 2 clamps) ⇔
4 x Fiber + 2 x XLR male/female + Schuko cable socket



Version	ORDER NO.-LENGTH <i>(Please append length in cm to ORDER NO.)</i>	1.2 m
5 HI-FIBER4-MC	OH85-L01/01-LENGTH	
6 4 x LC	OH4E-H01/01-LENGTH	



For the international versions, please code your order based on the example of OH85-L01/01-LENGTH:

UK For UK please replace "/" by "U": OH85-L01 **U**01-LENGTH
US For USA please replace "/" by "A": OH85-L01 **A**01-LENGTH

FR For France please replace "/" by "F": OH85-L01 **F**01-LENGTH
CH For Switzerland please replace "/" by "C": OH85-L01 **C**01-LENGTH

Digital FOC Distribution Systems ▶ **FIBER ADAPTERS**

With the **fiber-optic adapters** shown here in their road-rugged housings and together with their matching **patch cables**, you'll find that our **HI-FIBER4 SYSTEMS** can help you simply and cost-effectively make connections with all your

peripherals, e.g. on all OpticalCON, ST, SC, LC, FiberLENS connections and, of course, among each other as well. These optimized little helpers give you maximum flexibility in the field, especially on tours that come with their own little "surprises."



CONFIGURATION	ORDER NO.	ORDER NO.
	MULTIMODE	SINGLEMODE
1 HI-FIBER 4 x LC female ⇔ HI-FIBER 4 x LC female	SPY-H543	SPY-H678
2 HI-FIBER 4 x LC female ⇔ OpticalCON QUAD female	SPY-H420	SPY-H468
HI-FIBER 4 x LC female ⇔ 2 x OpticalCON DUO female	SPY-H200	SPY-H268
3 HI-FIBER 4 x LC female ⇔ 4 x SC female	SPY-H521	SPY-H556
HI-FIBER 4 x LC female ⇔ HI-FIBER4 female, CROSSOVER	SPY-HH40	SPY-HH99
OpticalCON QUAD female ⇔ 2 x OpticalCON DUO female	SPY-4220	SPY-4277
OpticalCON QUAD female ⇔ 4 x SC female	SPY-S441	SPY-S467
4 Fiber LENS QUAD ⇔ HI-FIBER 4 x LC female	SPY-FH54	SPY-FH78
Fiber LENS QUAD ⇔ 4 x SC female	SPY-FS76	SPY-FS89
Fiber LENS QUAD ⇔ OpticalCON QUAD female	SPY-F432	SPY-F456
Fiber LENS QUAD ⇔ 2 x OpticalCON DUO female	SPY-F210	SPY-F234



x00953

Digital FOC Distribution Systems ▶ **ST-II/SC/LC PATCH CABLES**

We assemble the halogen-free FOC Zip-Twin cables with **ST-II** and **SC-Duplex** ceramic connectors in various configurations for both the 50/125 μm and 9/125 μm standards. The maximum insertion loss is 0.3 dB/100m / 0.1 dB/100 ft. Test protocol results are provided with each cable. Other lengths and configurations are available upon request.



x00954



WARNING: Avoid direct eye contact by all means - retinal hazard!

CONFIGURATION	ORDER NO.	ORDER NO.	ORDER NO.	ORDER NO.
	1.0 m	2.0 m	3.0 m	5.0 m
5 SC-Duplex ⇔ 2 x ST-II 50/125 μm - Multimode OM3	E5CS-0100	E5CS-0200	E5CS-0300	E5CS-0500
6 SC-Duplex ⇔ 2 x ST-II 9/125 μm - Singlemode OS2	E9CS-0100	E9CS-0200	E9CS-0300	E9CS-0500
7 SC-Duplex ⇔ SC-Duplex 50/125 μm - Multimode OM3	E5CC-0100	E5CC-0200	E5CC-0300	E5CC-0500
8 SC-Duplex ⇔ SC-Duplex 9/125 μm - Singlemode OS2	E9CC-0100	E9CC-0200	E9CC-0300	E9CC-0500
9 2 x LC ⇔ 2 x LC 50/125 μm - Multimode OM3	E5LL-0100	E5LL-0200	E5LL-0300	E5LL-0500
10 2 x LC ⇔ 2 x LC 9/125 μm - Singlemode OS2	E9LL-0100	E9LL-0200	E9LL-0300	E9LL-0500
11 2 x LC ⇔ SC-Duplex 50/125 μm - Multimode OM3	E5CL-0100	E5CL-0200	E5CL-0300	E5CL-0500
12 2 x LC ⇔ SC-Duplex 9/125 μm - Singlemode OS2	E9CL-0100	E9CL-0200	E9CL-0300	E9CL-0500

MADI Connection systems ▶ **COAX MULTICORE & COAX HYBRID LINES**

MADI – or “Multichannel Audio Digital Interface”...

...is a communications protocol currently used by a great many digital mixing consoles and recording systems. It enables the simultaneous transmission of up to 64 audio channels, together with a sync signal, through a single coax line.

Digital mixing desk systems mostly require two coaxial connections between stage rack and console. Our coax multicore and coax hybrid cables offer this – and much more – in a single compact line. **For the systems introduced here the maximum transmission length for MADI is 120 m/395 ft.** Longer distances available on request.

The **TRANSIT MC 4400 HD-SDI** is comprised of 4 HD coax and 4 digital-capable low-frequency lines.

The **TRANSIT MC 5230 HD-SDI** combines 5 HD coax with 2 digital-capable low-frequency lines plus a 2.5 mm² / AWG13 power supply in one line.

Finally the **TRANSIT MC 3231 HD-SDI** offers 3 HD coax, 2 digital-capable low-frequency lines, 1 CAT.6a network line and a 2.5 mm² / AWG13 power supply line in one cable.

APPLICATIONS:

- Connection of digital mixing console systems
- Connection of digital recording systems (OB van)

PRODUCT BENEFITS:

- high-quality cable with high-grade connectors
- compact design because several coax lines (and in some cases even mains power supply & LAN) are combined into one cable
- less cables to work with



1 SC-VECTOR (RCB), NEUTRIK Reartwist BNC connector ⇔ NEUTRIK Reartwist BNC connector

Version	ORDER NO.-LENGTH <i>(Please append length in cm to ORDER NO.)</i>		5 m	10 m	25 m
2 x BNC ⇔ 2 x BNC	VMGR-02-LENGTH		 x00955		

2 SC-VECTOR (RCB), NEUTRIK Reartwist BNC connector ⇔ NEUTRIK Reartwist BNC connector on SCHILL HT series cable reel with auxiliary coil KOMB.RM

Version	ORDER NO.-LENGTH <i>(Please append length in cm to ORDER NO.)</i>	Max. length		25 m	50 m	100 m
2 x BNC ⇔ 2 x BNC	VMGRH02-LENGTH	110 m		 x00956		

3 TRANSIT HD, NEUTRIK Reartwist BNC connector ⇔ NEUTRIK Reartwist BNC connector

Version	ORDER NO.-LENGTH <i>(Please append length in cm to ORDER NO.)</i>		5 m	10 m	25 m	
2 x BNC ⇔ 2 x BNC	TSGR-02-LENGTH		 x00957			
3 x BNC ⇔ 3 x BNC	TSGR-03-LENGTH					
5 x BNC ⇔ 5 x BNC	TSGR-05-LENGTH					

4 TRANSIT HD, NEUTRIK Reartwist BNC connector ⇔ NEUTRIK Reartwist BNC connector, on SCHILL HT series cable reel with auxiliary coil KOMB.RM

Version	ORDER NO.-LENGTH <i>(Please append length in cm to ORDER NO.)</i>		25 m	50 m	100 m	
2 x BNC ⇔ 2 x BNC	TSGRH02-LENGTH		 x00958			
3 x BNC ⇔ 3 x BNC	TSGRH03-LENGTH					
5 x BNC ⇔ 5 x BNC	TSGRH05-LENGTH					

MULTICORE & POWER DISTRIBUTION SYSTEMS

MADI Connection Systems ▶ COAX MULTICORE & COAX HYBRID CABLES



1



2

1 TRANSIT MC 4400 HD-SDI PUR (4 x Coax + 4 x NF), NEUTRIK BNC Reartwist + NEUTRIK XLR 3-pole male ⇔ NEUTRIK BNC Reartwist + NEUTRIK XLR 3-pole female

Configuration	ORDER NO.-LENGTH <i>(Please append length in cm to ORDER NO.)</i>
4x BNC + 4x XLR ⇔ 4x BNC + 4x XLR	MDD1-04/00-LENGTH



5 m 10 m 25 m

2 TRANSIT MC 4400 HD-SDI (4 x Coax + 4 x NF), on cable reel, SCHILL HT-Serie with auxiliary winding KOMB.RM NEUTRIK BNC Reartwist + NEUTRIK XLR 3-pole male ⇔ NEUTRIK BNC Reartwist + NEUTRIK XLR 3-pole female

Configuration	ORDER NO.-LENGTH <i>(Please append length in cm to ORDER NO.)</i>	Max. length
4x BNC + 4x XLR ⇔ 4x BNC + 4x XLR	MDD1H04/00-LENGTH	80 m



25 m 50 m 80 m



MCABH523-...



HDAQH3231-...



3 TRANSIT MC 523 HD-SDI (5 x coax, 2 x NF, 1 x CAT.7, 1 x mains) on cable reel, 5 x NEUTRIK Reartwist BNC plugs, 2 x NEUTRIK XLR convertCON, 1 x EtherCON male, 1 x Schuko cable plug (Compatible with French version) ⇔ Patch panel in cable reel with 2 x Schuko sockets, 5 x BNC, 2 x NEUTRIK XLR 3-pole male, 1 x EtherCON female

Reel type	ORDER NO.-LENGTH <i>(Please append length in cm to ORDER NO.)</i>	Max. length
Schill HT series	MCABH523-LENGTH	48 m
Sommer Cable SD series	MCABD523-LENGTH	50 m



25 m 50 m

4 TRANSIT MC 3231 HD-SDI (3 x coax, 2 x NF, 1 x CAT.6a, 1 x mains) on cable reel, 3 x NEUTRIK Reartwist BNC plugs, 2 x NEUTRIK XLR convertCON, 1 x EtherCON male, 1 x Schuko cable plug (Compatible with French version) ⇔ Patch panel in cable reel with 2 x Schuko sockets, 3 x BNC, 2 x NEUTRIK XLR 3-pole male, 1 x EtherCON female

Reel type	ORDER NO.-LENGTH <i>(Please append length in cm to ORDER NO.)</i>	Max. length
Schill HT series	HDAQH3231-LENGTH	50 m
Schill-SK series	HDAQK3231-LENGTH	70 m



25 m 50 m 70 m

For the international versions, please code the order based on the example of HDAQH3231-LENGTH:

- For UK please replace “-” by “U”: HDAQH3231ULENGTH
- For USA please replace “-” by “A”: HDAQH3231ALENGTH

- For France please replace “-” by “F”: HDAQH3231FLENGTH
- For Switzerland please replace “-” by “C”: HDAQH3231CLENGTH

MADI Connection Systems ▶ **MULTIPIN FEMALE ⇔ BREAKOUT**

Multipin female (HAN-ECO w. clamps) ⇔ NEUTRIK Reartwist BNC plug + NEUTRIK XLR connector

Including plastic mesh hose jacket over the low-frequency wires.
Total length 1.20 m/3.9 ft.



Cable type	Version	ORDER NO.
TRANSIT 02HD	2 x BNC ⇔ Multipin socket	TSGL-02-0120
TRANSIT 03HD	3 x BNC ⇔ Multipin socket	TSGL-03-0120
TRANSIT 05HD	5 x BNC ⇔ Multipin socket	TSGL-05-0120
TRANSIT 4400HD	4 x BNC + 4 x XLR male ⇔ Multipin socket	MDGL-04/00-0120
TRANSIT 4400HD	4 x BNC + 4 x XLR female ⇔ Multipin socket	MDGL-00/04-0120



MADI Connection Systems ▶ **MULTIPIN MALE ⇔ MULTIPIN MALE**

Multipin male (HAN-ECO w/o clamps) ⇔ Multipin male (HAN-ECO w/o clamps)



Multipin plug, straight ⇔ Multipin plug, straight

Cable type	ORDER NO.-LENGTH*	10 m	25 m	50 m
TRANSIT 02HD	TSGP-02-LENGTH*			
TRANSIT 03HD	TSGP-03-LENGTH*			
TRANSIT 05HD	TSGP-05-LENGTH*			
TRANSIT 4400HD	MDGP-04/00-LENGTH*			



Multipin plug, angled ⇔ Multipin plug, straight

Cable type	ORDER NO.-LENGTH*	10 m	25 m	50 m
TRANSIT 02HD	TSJW-02-LENGTH*			
TRANSIT 03HD	TSJW-03-LENGTH*			
TRANSIT 05HD	TSJW-05-LENGTH*			
TRANSIT 4400HD	MDJW-04/00-LENGTH*			



Multipin plug, angled ⇔ Multipin plug, angled

Cable type	ORDER NO.-LENGTH*	10 m	25 m	50 m
TRANSIT 02HD	TSKB-02-LENGTH*			
TRANSIT 03HD	TSKB-03-LENGTH*			
TRANSIT 05HD	TSKB-05-LENGTH*			
TRANSIT 4400HD	MDKB-04/00-LENGTH*			



* Please append length in cm to ORDER NO.

MADI Connection Systems ▶ **SURFACE-MOUNT MULTIPIN SOCKET ⇔ BREAKOUT**

Multipin female (HAN-ECO assembly housing w. clamps) ⇔ NEUTRIK Reartwist BNC plug + NEUTRIK XLR connector

Total length 1.20 m/3.9 ft.



Cable type	Version	ORDER NO.
TRANSIT 02HD	2 x BNC ⇔ Multipin socket	TSDK-02-0120
TRANSIT 03HD	3 x BNC ⇔ Multipin socket	TSDK-03-0120
TRANSIT 05HD	5 x BNC ⇔ Multipin socket	TSDK-05-0120
TRANSIT 4400HD	4 x BNC + 4 x XLR male ⇔ Multipin socket	MDDK-00/04-0120
TRANSIT 4400HD	4 x BNC + 4 x XLR female ⇔ Multipin socket	MDDK-04/00-0120



Network/DMX & Power Systems ▶ **SC-MONOCAT**

Extremely sociable, loves to make new connections...

That's our **SC-MONOCAT** cable family, combining network lines with digital-capable audio lines (LF, DMX, AES, intercom) and a mains power supply line (3 x 2.5 mm² / AWG13).

A new modular connector generation allows the transmission via a single interface, boxed in a compact and resilient housing of thermoplastic material.

Now even data rates in the gigabit range are no longer a problem. This is where the new combination floor stagebox comes into play. It even allows the connection of lighting equipment in staggering heights.

APPLICATIONS:

- Lighting technology (supply of network node or stage direction with signal & power, etc.)
- Audio technology (such as connection for control rooms incl. signal, intercom & power)
- Data applications in media technology
- Stage applications

PRODUCT ADVANTAGES:

- Handles network, audio & power in one cable and over a single connector
- High-tech connectivity with gigabit data rates
- Robust and versatile lines



Network/DMX & Power Systems ▶ **REEL TO BREAKOUT**

STAGE REEL

with 2 x Schuko sockets (IP54) + EtherCON socket RJ45 10 GBit (all metal housing) + XLR male ↔ 1 x Schuko plug (Compatible with French version) + RJ45 10 GBit plug + XLR female

Complete with braided plastic hose jacket over the low-frequency lines.



MULTICORE & POWER DISTRIBUTION SYSTEMS



Cable type	Configuration	ORDER NO.-LENGTH (Please append length in cm to ORDER NO.)	50 m	70 m	100 m
Monocat 110C	1 x HI-RJ45-10GBit + 230 V mains	P12JHM00/00-LENGTH			
Monocat 111C	1 x HI-RJ45-10GBit + 1 x XLR 3-pole HICON (DMX) + 230 V mains	X12JHM01/00-LENGTH			
Monocat 202	2 x HI-RJ45-10GBit + 2 x XLR 3-pole HICON (DMX)	P22JHE02/00-LENGTH			
Monocat 212 PVC	2 x HI-RJ45-10GBit + 2 x XLR 3-pole HICON (DMX) + 230 V mains	X22JKE02/00-LENGTH			
Monocat 212 PUR	2 x HI-RJ45-10GBit + 2 x XLR 3-pole HICON (DMX) + 230 V mains	PL2JKE02/00-LENGTH NEW!			
Monocat 414	4 x HI-RJ45-10GBit + 4 x XLR 3-pole HICON (DMX) + 230 V mains	P42JKE04/00-LENGTH	2x00969	-	-
Monocat 810	8 x HI-RJ45-10GBit + 230 V mains	P82JKM00/00-LENGTH		-	-
Mercator Quad	4 x HI-RJ45-10GBit	K42JKM00/00-LENGTH NEW!			



Cable type	Configuration	ORDER NO.-LENGTH (Please append length in cm to ORDER NO.)	50 m	70 m	100 m
Monocat 110C	1 x NE8 CAT.6a + 230 V mains	P1JXHM00/00-LENGTH			
Monocat 111C	1 x NE8 CAT.6a + 1 x XLR 3-pole NEUTRIK (DMX) + 230 V mains	X1JXHM01/00-LENGTH			
Monocat 202	2 x NE8 CAT.6a + 2 x XLR 3-pole NEUTRIK (DMX)	P2JXHE02/00-LENGTH			
Monocat 212 PVC	2 x NE8 CAT.6a + 2 x XLR 3-pole NEUTRIK (DMX) + 230 V mains	X2JXKE02/00-LENGTH			
Monocat 212 PUR	2 x NE8 CAT.6a + 2 x XLR 3-pole NEUTRIK (DMX) + 230 V mains	PLJXKE02/00-LENGTH NEW!			
Monocat 414	4 x NE8 CAT.6a + 4 x XLR 3-pole NEUTRIK (DMX) + 230 V mains	P4JXKE04/00-LENGTH	2x00970	-	-
Monocat 810	8 x NE8 CAT.6a + 230 V mains	P8JXKM00/00-LENGTH		-	-
Mercator Quad	4 x NE8 CAT.6a	K4JXKM00/00-LENGTH NEW!			

For the international versions, please code the order based on the example of P82J-M00/00-LENGTH:

- For UK please replace "/" by "U": P82JKM00U00-LENGTH
- For USA please replace "/" by "A": P82JKM00A00-LENGTH

- For France please replace "/" by "F": P82JKM00F00-LENGTH
- For Switzerland please replace "/" by "C": P82JKM00C00-LENGTH

Network/DMX & Power Systems ▶ **STAGEBOX TO BREAKOUT – THE BOXX**

STAGEBOX PROFESSIONAL
 with 2 x Schuko sockets (IP54) + EtherCON socket RJ45
 10 GBit (all-metal housing) + XLR male ↔ 1 x Schuko plug
 (Compatible with French version)
 + RJ45 10 GBit plug + XLR female

Complete with braided plastic hose jacket
 over the low-frequency lines.



Y42J-E04/00-...



HICON
CONNECTORS

Cable type	Configuration	ORDER NO.-LENGTH <i>(Please append length in cm to ORDER NO.)</i>	10 m	25 m	50 m
Monocat 110C	1 x HI-RJ45-10GBit + 230 V mains	Y12J-M00/00-LENGTH			
Monocat 111C	1 x HI-RJ45-10GBit + 1 x XLR 3-pole HICON (DMX) + 230 V mains	Y32J-M01/00-LENGTH			
Monocat 202	2 x HI-RJ45-10GBit + 2 x XLR 3-pole HICON (DMX)	Y22J-E02/00-LENGTH			
Monocat 212 PVC	2 x HI-RJ45-10GBit + 2 x XLR 3-pole HICON (DMX) + 230 V mains	Y12J-E02/00-LENGTH			
Monocat 212 PUR	2 x HI-RJ45-10GBit + 2 x XLR 3-pole HICON (DMX) + 230 V mains	Y22J-E02/00-LENGTH NEW!			
Monocat 414	4 x HI-RJ45-10GBit + 4 x XLR 3-pole HICON (DMX) + 230 V mains	Y42J-E04/00-LENGTH			
Monocat 810	8 x HI-RJ45-10GBit + 230 V mains	Y82J-M00/00-LENGTH			
Mercator Quad	4 x HI-RJ45-10GBit	YQ2J-M00/00-LENGTH NEW!			



NEUTRIK



Cable type	Configuration	ORDER NO.-LENGTH <i>(Please append length in cm to ORDER NO.)</i>	10 m	25 m	50 m
Monocat 110C	1 x NE8 CAT.6a + 230 V mains	Y1JX-M00/00-LENGTH			
Monocat 111C	1 x NE8 CAT.6a + 1 x XLR 3-pole NEUTRIK (DMX) + 230 V mains	Y3JX-M01/00-LENGTH			
Monocat 202	2 x NE8 CAT.6a + 2 x XLR 3-pole NEUTRIK (DMX)	Y2JX-E02/00-LENGTH			
Monocat 212 PVC	2 x NE8 CAT.6a + 2 x XLR 3-pole NEUTRIK (DMX) + 230 V mains	Y1JX-E02/00-LENGTH			
Monocat 212 PUR	2 x NE8 CAT.6a + 2 x XLR 3-pole NEUTRIK (DMX) + 230 V mains	Y2JX-E02/00-LENGTH NEW!			
Monocat 414	4 x NE8 CAT.6a + 4 x XLR 3-pole NEUTRIK (DMX) + 230 V mains	Y4JX-E04/00-LENGTH			
Monocat 810	8 x NE8 CAT.6a + 230 V mains	Y8JX-M00/00-LENGTH			
Mercator Quad	4 x NE8 CAT.6a	YQJX-M00/00-LENGTH NEW!			



MULTICORE & POWER DISTRIBUTION SYSTEMS

Network/DMX & Power Systems ▶ **REEL TO MULTIPIN MALE**

STAGE REEL

with 2 x Schuko sockets (IP54)
+ EtherCON socket RJ45 10 GBit
+ XLR male ⇔ 1 x multipin male
(HAN-ECO without clamps)



X21JKM02/00-...



Cable type	Configuration	ORDER NO.-LENGTH <small>(Please append length in cm to ORDER NO.)</small>	50 m	70 m	100 m
Monocat 110C	1 x HI-RJ45-10GBit + 230 V mains	P11JHM00/00-LENGTH			
Monocat 111C	1 x HI-RJ45-10GBit + 1 x XLR 3-pole HICON (DMX) + 230 V mains	X11JHM01/00-LENGTH			
Monocat 202	2 x HI-RJ45-10GBit + 2 x XLR 3-pole HICON (DMX)	P21JHM02/00-LENGTH			
Monocat 212 PVC	2 x HI-RJ45-10GBit + 2 x XLR 3-pole HICON (DMX) + 230 V mains	X21JKM02/00-LENGTH			
Monocat 212 PUR	2 x HI-RJ45-10GBit + 2 x XLR 3-pole HICON (DMX) + 230 V mains	PL1JKM02/00-LENGTH NEW!			
Monocat 414	4 x HI-RJ45-10GBit + 4 x XLR 3-pole HICON (DMX) + 230 V mains	P41JKM04/00-LENGTH			
Mercator Quad	4 x HI-RJ45-10GBit	K41JKM00/00-LENGTH NEW!			



2x00976



Cable type	Configuration	ORDER NO.-LENGTH <small>(Please append length in cm to ORDER NO.)</small>	50 m	70 m	100 m
Monocat 110C	1 x NE8 CAT.6a + 230 V mains	P1ZWHM00/00-LENGTH			
Monocat 111C	1 x NE8 CAT.6a + 1 x XLR 3-pole NEUTRIK (DMX) + 230 V mains	X1ZWHM01/00-LENGTH			
Monocat 202	2 x NE8 CAT.6a + 2 x XLR 3-pole NEUTRIK (DMX)	P2ZWHM02/00-LENGTH			
Monocat 212 PVC	2 x NE8 CAT.6a + 2 x XLR 3-pole NEUTRIK (DMX) + 230 V mains	X2ZWKM02/00-LENGTH			
Monocat 212 PUR	2 x NE8 CAT.6a + 2 x XLR 3-pole NEUTRIK (DMX) + 230 V mains	PLZWKM02/00-LENGTH NEW!			
Monocat 414	4 x NE8 CAT.6a + 4 x XLR 3-pole NEUTRIK (DMX) + 230 V mains	P4ZWKM04/00-LENGTH			
Mercator Quad	4 x NE8 CAT.6a	K4ZWKM00/00-LENGTH NEW!			



2x00978

Network/DMX & Power Systems ▶ **STAGEBOX TO MULTIPIN MALE – THE BOXX**

STAGEBOX PROFESSIONAL

with 2 x Schuko sockets (IP54)
+ EtherCON socket RJ45 10 GBit
+ XLR male
⇔ multipin male (HAN-ECO without clamps)



YL1J-M02/00-...



Cable type	Configuration	ORDER NO.-LENGTH <small>(Please append length in cm to ORDER NO.)</small>	10 m	25 m	50 m
Monocat 202	2 x HI-RJ45-10GBit + 2 x XLR 3-pole HICON (DMX)	Y21J-M02/00-LENGTH			
Monocat 212 PVC	2 x HI-RJ45-10GBit + 2 x XLR 3-pole HICON (DMX) + 230 V mains	YL1J-M02/00-LENGTH			
Monocat 212 PUR	2 x HI-RJ45-10GBit + 2 x XLR 3-pole HICON (DMX) + 230 V mains	YP1J-M02/00-LENGTH NEW!			
Monocat 414	4 x HI-RJ45-10GBit + 4 x XLR 3-pole HICON (DMX) + 230 V mains	Y41J-M04/00-LENGTH			
Mercator Quad	4 x HI-RJ45-10GBit	YQ1J-M00/00-LENGTH NEW!			



2x00979



Cable type	Configuration	ORDER NO.-LENGTH <small>(Please append length in cm to ORDER NO.)</small>	10 m	25 m	50 m
Monocat 202	2 x NE8 CAT.6a + 2 x XLR 3-pole NEUTRIK (DMX)	Y2ZW-M02/00-LENGTH			
Monocat 212 PVC	2 x NE8 CAT.6a + 2 x XLR 3-pole NEUTRIK (DMX) + 230 V mains	YLZW-M02/00-LENGTH			
Monocat 212 PUR	2 x NE8 CAT.6a + 2 x XLR 3-pole NEUTRIK (DMX) + 230 V mains	YPZW-M02/00-LENGTH NEW!			
Monocat 414	4 x NE8 CAT.6a + 4 x XLR 3-pole NEUTRIK (DMX) + 230 V mains	Y4ZW-M04/00-LENGTH			
Mercator Quad	4 x NE8 CAT.6a	YQZW-M00/00-LENGTH NEW!			



2x00981

For the international versions, please code the order on the basis of the example of YQZW-M04/00-LENGTH:

- UK For UK please replace "/" by "U": YQZW-M04**U**00-LENGTH
- US For USA please replace "/" by "A": YQZW-M04**A**00-LENGTH

- FR For France please replace "/" by "F": YQZW-M04**F**00-LENGTH
- CH For Switzerland please replace "/" by "C": YQZW-M04**C**00-LENGTH

Network/DMX & Power Systems ▶ **MULTIPIN FEMALE TO BREAKOUT**

Multipin female (HAN-ECO with clamps) ↔ EtherCON plug RJ45 10 GBit (all-metal housing) + XLR connector + Schuko cable plug

Including plastic mesh hose jacket over the low-frequency wires.

FR The Schuko plug we use is compatible with the electric outlets in France and Belgium. No adaptation of order code required.



X248-E02/00...



HICON
CONNECTORS

Cable type	Configuration	ORDER NO.-LENGTH <i>(Please append length in cm to ORDER NO.)</i>	1 m
Monocat 110C	1 x HI-RJ45-10GBit + 230 V mains	P148-M00/00-LENGTH	
Monocat 111C	1 x HI-RJ45-10GBit + 1 x XLR 3-pole HICON (DMX) + 230 V mains	X148-M01/00-LENGTH	
Monocat 202	2 x HI-RJ45-10GBit + 2 x XLR 3-pole HICON (DMX)	P248-E02/00-LENGTH	
Monocat 212 PVC	2 x HI-RJ45-10GBit + 2 x XLR 3-pole HICON (DMX) + 230 V mains	X248-E02/00-LENGTH	
Monocat 212 PUR	2 x HI-RJ45-10GBit + 2 x XLR 3-pole HICON (DMX) + 230 V mains	PL48-E02/00-LENGTH NEW!	
Monocat 414	4 x HI-RJ45-10GBit + 4 x XLR 3-pole HICON (DMX) + 230 V mains	P448-E04/00-LENGTH	
Mercator Quad	4 x HI-RJ45-10GBit	K448-M00/00-LENGTH NEW!	



2x00983

NEUTRIK



Cable type	Configuration	ORDER NO.-LENGTH <i>(Please append length in cm to ORDER NO.)</i>	1 m
Monocat 110C	1 x NE8 CAT.6a + 230 V mains	P1N3-M00/00-LENGTH	
Monocat 111C	1 x NE8 CAT.6a + 1 x XLR 3-pole NEUTRIK (DMX) + 230 V mains	X1N3-M01/00-LENGTH	
Monocat 202	2 x NE8 CAT.6a + 2 x XLR 3-pole NEUTRIK (DMX)	P2N3-E02/00-LENGTH	
Monocat 212 PVC	2 x NE8 CAT.6a + 2 x XLR 3-pole NEUTRIK (DMX) + 230 V mains	X2N3-E02/00-LENGTH	
Monocat 212 PUR	2 x NE8 CAT.6a + 2 x XLR 3-pole NEUTRIK (DMX) + 230 V mains	PLN3-E02/00-LENGTH NEW!	
Monocat 414	4 x NE8 CAT.6a + 4 x XLR 3-pole NEUTRIK (DMX) + 230 V mains	P4N3-E04/00-LENGTH	
Mercator Quad	4 x NE8 CAT.6a	K4N3-M00/00-LENGTH NEW!	



2x00985

For the international versions, please code the order on the basis of the example of K448-M00/00-LENGTH:

- UK** For UK please replace "/" by **"U"**: K448-M00**U**00-LENGTH
- US** For USA please replace "/" by **"A"**: K448-M00**A**00-LENGTH

- FR** For France please replace "/" by **"F"**: K448-M00**F**00-LENGTH
- CH** For Switzerland please replace "/" by **"C"**: K448-M00**C**00-LENGTH

Network/DMX & Power Systems ▶ **STAGEBOX TO MULTIPIN MALE – THE BOXX**

STAGEBOX PROFESSIONAL w. 2 x Schuko panel-mount sockets (IP54) + EtherCON socket RJ45 10 GBit + XLR panel-mount plug
 ⇔ multipin male (HAN-ECO mounted housing w. clamp)



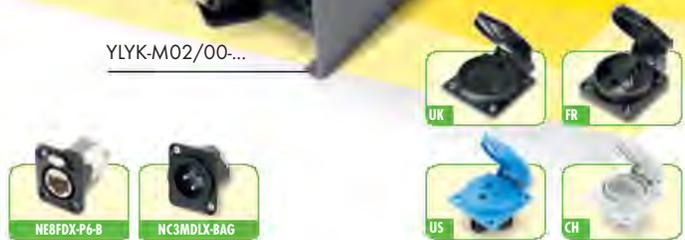
Cable type	Configuration	ORDER NO.
Monocat 202	2 x HI-RJ45-10GBit + 2 x XLR 3-pole HICON (DMX)	Y2YK-M02/00
Monocat 212	2 x HI-RJ45-10GBit + 2 x XLR 3-pole HICON (DMX) + 230 V mains	YLYK-M02/00
Monocat 414	4 x HI-RJ45-10GBit + 4 x XLR 3-pole HICON (DMX) + 230 V mains	Y4YK-M04/00
Mercator Quad	4 x HI-RJ45-10GBit NEW!	YQYK-M00/00



x00986



YLYK-M02/00...



Cable type	Configuration	ORDER NO.
Monocat 202	2 x NE8 CAT.6a + 2 x XLR 3-pole NEUTRIK (DMX)	Y2ZR-M02/00
Monocat 212	2 x NE8 CAT.6a + 2 x XLR 3-pole NEUTRIK (DMX) + 230 V mains	YLZR-M02/00
Monocat 414	4 x NE8 CAT.6a + 4 x XLR 3-pole NEUTRIK (DMX) + 230 V mains	Y4ZR-M04/00
Mercator Quad	4 x NE8 CAT.6a NEW!	YQZR-M00/00



x00987

For the international versions, please code the order on the basis of the example of Y4ZR-M04/00:

UK For UK please replace "/" by "U": Y4ZR-M04**U**00

FR For France please replace "/" by "F": Y4ZR-M04**F**00

US For USA please replace "/" by "A": Y4ZR-M04**A**00

CH For Switzerland please replace "/" by "C": Y4ZR-M04**C**00

Network/DMX & Power Systems ▶ **STAGEBOX TO MULTIPIN FEMALE – THE BOXX**

STAGEBOX PROFESSIONAL w. 1 x NEUTRIK powerCON input + 2 x EtherCON socket RJ45 10 GBit + XLR panel-mount plug ⇔ Multipin female (HAN-ECO w/o clamp, angled)



Cable type	Configuration	ORDER NO.-LENGTH	10 m	25 m	50 m
Monocat 202	2 x HI-RJ45-10GBit + 2 x XLR 3-pole HICON	Y2FK-M02/00-LENGTH			
Monocat 212 PVC	2 x HI-RJ45-10GBit + 2 x XLR 3-pole HICON + 230 V mains	YLFK-M02/00-LENGTH			
Monocat 212 PUR	2 x HI-RJ45-10GBit + 2 x XLR 3-pole HICON + 230 V mains	YPFK-M02/00-LENGTH NEW!			
Monocat 414	4 x HI-RJ45-10GBit + 4 x XLR 3-pole HICON + 230 V mains	Y4FK-M04/00-LENGTH			
Mercator Quad	4 x HI-RJ45-10GBit NEW!	YQFK-M00/00-LENGTH			



x00989



Cable type	Configuration	ORDER NO.-LENGTH	10 m	25 m	50 m
Monocat 202	2 x NE8 CAT.6a + 2 x XLR 3-pole NEUTRIK	Y2C4-M02/00-LENGTH			
Monocat 212 PVC	2 x NE8 CAT.6a + 2 x XLR 3-pole NEUTRIK + 230 V mains	YLC4-M02/00-LENGTH			
Monocat 212 PUR	2 x NE8 CAT.6a + 2 x XLR 3-pole NEUTRIK + 230 V mains	YPC4-M02/00-LENGTH NEW!			
Monocat 414	4 x NE8 CAT.6a + 4 x XLR 3-pole NEUTRIK + 230 V mains	Y4C4-M04/00-LENGTH			
Mercator Quad	4 x NE8 CAT.6a NEW!	YQC4-M00/00-LENGTH			



x00991

MULTICORE & POWER DISTRIBUTION SYSTEMS

Network/DMX & Power Systems ▶ **MULTIPIN FEMALE TO BREAKOUT**

1 Multipin female (HAN-ECO w/o clamp, straight) ⇔ EtherCON plug RJ45-10 GBit (all-metal housing) + XLR connector + MENNEKES Schuko cable plug

Complete with braided plastic hose jacket over the low-frequency lines.

FR The Schuko plug we use is compatible with the electric outlets in France and Belgium. No adaptation of order code required.



HICON
CONNECTORS

Cable type	Configuration	ORDER NO.-LENGTH (Please append length in cm to ORDER NO.)	10 m	25 m	50 m
Monocat 110C	1 x HI-RJ45-10GBit + 230 V mains	P1WG-M00/00-LENGTH			
Monocat 111C	1 x HI-RJ45-10GBit + 1 x XLR 3-pole HICON (DMX) + 230 V mains	X1WG-M01/00-LENGTH			
Monocat 202	2 x HI-RJ45-10GBit + 2 x XLR 3-pole HICON (DMX)	P2WG-E02/00-LENGTH			
Monocat 212 PVC	2 x HI-RJ45-10GBit + 2 x XLR 3-pole HICON (DMX) + 230 V mains	X2WG-E02/00-LENGTH			
Monocat 212 PUR	2 x HI-RJ45-10GBit + 2 x XLR 3-pole HICON (DMX) + 230 V mains	PLWG-E02/00-LENGTH NEW!			
Monocat 414	4 x HI-RJ45-10GBit + 4 x XLR 3-pole HICON (DMX) + 230 V mains	P4WG-E04/00-LENGTH			
Mercator Quad	4 x HI-RJ45-10GBit	K4WG-M00/00-LENGTH NEW!			



NEUTRIK



Cable type	Configuration	ORDER NO.-LENGTH (Please append length in cm to ORDER NO.)	10 m	25 m	50 m
Monocat 110C	1 x NE8 CAT.6a + 230 V mains	P1ZS-M00/00-LENGTH			
Monocat 111C	1 x NE8 CAT.6a + 1 x XLR 3-pole NEUTRIK (DMX) + 230 V mains	X1ZS-M01/00-LENGTH			
Monocat 202	2 x NE8 CAT.6a + 2 x XLR 3-pole NEUTRIK (DMX)	P2ZS-E02/00-LENGTH			
Monocat 212 PVC	2 x NE8 CAT.6a + 2 x XLR 3-pole NEUTRIK (DMX) + 230 V mains	X2ZS-E02/00-LENGTH			
Monocat 212 PUR	2 x NE8 CAT.6a + 2 x XLR 3-pole NEUTRIK (DMX) + 230 V mains	PLZS-E02/00-LENGTH NEW!			
Monocat 414	4 x NE8 CAT.6a + 4 x XLR 3-pole NEUTRIK (DMX) + 230 V mains	P4ZS-E04/00-LENGTH			
Mercator Quad	4 x NE8 CAT.6a	K4ZS-M00/00-LENGTH NEW!			



2 Multipin female (HAN-ECO w/o clamp, angled) ⇔ EtherCON plug RJ45 10 GBit (all metal housing) + XLR connector + MENNEKES Schuko cable plug

Including plastic mesh hose jacket over the low-frequency wires.

FR The Schuko plug we use is compatible with the electric outlets in France and Belgium. No adaptation of order code required.

HICON
CONNECTORS

Cable type	Configuration	ORDER NO.-LENGTH (Please append length in cm to ORDER NO.)	10 m	25 m	50 m
Monocat 110C	1 x HI-RJ45-10GBit + 230 V mains	P14G-M00/00-LENGTH			
Monocat 111C	1 x HI-RJ45-10GBit + 1 x XLR 3-pole HICON (DMX) + 230 V mains	X14G-M01/00-LENGTH			
Monocat 202	2 x HI-RJ45-10GBit + 2 x XLR 3-pole HICON (DMX)	P24G-E02/00-LENGTH			
Monocat 212 PVC	2 x HI-RJ45-10GBit + 2 x XLR 3-pole HICON (DMX) + 230 V mains	X24G-E02/00-LENGTH			
Monocat 212 PUR	2 x HI-RJ45-10GBit + 2 x XLR 3-pole HICON (DMX) + 230 V mains	PL4G-E02/00-LENGTH NEW!			
Monocat 414	4 x HI-RJ45-10GBit + 4 x XLR 3-pole HICON (DMX) + 230 V mains	P44G-E04/00-LENGTH			
Mercator Quad	4 x HI-RJ45-10GBit	K44G-M00/00-LENGTH NEW!			



NEUTRIK



Cable type	Configuration	ORDER NO.-LENGTH (Please append length in cm to ORDER NO.)	10 m	25 m	50 m
Monocat 110C	1 x NE8 CAT.6a + 230 V mains	P177-M00/00-LENGTH			
Monocat 111C	1 x NE8 CAT.6a + 1 x XLR 3-pole NEUTRIK (DMX) + 230 V mains	X177-M01/00-LENGTH			
Monocat 202	2 x NE8 CAT.6a + 2 x XLR 3-pole NEUTRIK (DMX)	P277-E02/00-LENGTH			
Monocat 212 PVC	2 x NE8 CAT.6a + 2 x XLR 3-pole NEUTRIK (DMX) + 230 V mains	X277-E02/00-LENGTH			
Monocat 212 PUR	2 x NE8 CAT.6a + 2 x XLR 3-pole NEUTRIK (DMX) + 230 V mains	PL77-E02/00-LENGTH NEW!			
Monocat 414	4 x NE8 CAT.6a + 4 x XLR 3-pole NEUTRIK (DMX) + 230 V mains	P477-E04/00-LENGTH			
Mercator Quad	4 x NE8 CAT.6a	K477-M00/00-LENGTH NEW!			



Network/DMX & Power Systems ▶ **STAGEBOX TO MULTIPIN FEMALE – THE BOXX**

STAGEBOX PROFESSIONAL w. 1 x NEUTRIK powerCON input
+ 2 x EtherCON socket RJ45 10 GBit
+ XLR panel-mount plug ⇔ Multipin female (HAN-ECO w. clamp)

YLFV-M02/00...



HICON
CONNECTORS

Cable type	Configuration	ORDER NO.
Monocat 202	2 x HI-RJ45-10Gbit + 2 x XLR 3-pole HICON	Y2FV-M02/00
Monocat 212	2 x HI-RJ45-10Gbit + 2 x XLR 3-pole HICON + 230 V mains	YLFV-M02/00
Monocat 414	4 x HI-RJ45-10Gbit + 4 x XLR 3-pole HICON + 230 V mains	Y4FV-M04/00
Mercator Quad	4 x HI-RJ45-10Gbit	YQFV-M00/00 NEW!



x00999



NEUTRIK

Cable type	Configuration	ORDER NO.
Monocat 202	2 x NE8 CAT.6a + 2 x XLR 3-pole NEUTRIK	Y28R-M02/00
Monocat 212	2 x NE8 CAT.6a + 2 x XLR 3-pole NEUTRIK + 230 V mains	YL8R-M02/00
Monocat 414	4 x NE8 CAT.6a + 4 x XLR 3-pole NEUTRIK + 230 V mains	Y48R-M04/00
Mercator Quad	4 x NE8 CAT.6a	YQ8R-M00/00 NEW!



x01001

Network/DMX & Power Systems ▶ **MULTIPIN MALE TO BREAKOUT**

Multipin male (HAN-ECO w. clamp) ⇔ RJ45 10 GBit plug (all-metal housing) + XLR connector + Schuko cable socket

High-quality single cables for each connector



S75Y-C02/00-0120

HICON
CONNECTORS

Cable type	Configuration	ORDER NO.	1.2 m
Titanex, Mercator CAT.7	1 x Power outlet, 1 x HI-RJ45-10Gbit HICON	S75Y-A00/00-0120	
Titanex, Mercator CAT.7, Scuba	1 x Power outlet, 1 x HI-RJ45-10Gbit, 1 x XLR 3-pole HICON	S75Y-E01/00-0120 NEW!	
Mercator CAT.7, Scuba	2 x HI-RJ45-10Gbit, 2 x XLR 3-pole HICON	S75Y-B02/00-0120	
Titanex, Mercator CAT.7, Scuba	1 x Power outlet, 2 x HI-RJ45-10Gbit, 2 x XLR 3-pole HICON	S75Y-C02/00-0120	
Titanex, Mercator CAT.7, Scuba	1 x Power outlet, 4 x HI-RJ45-10Gbit, 4 x XLR 3-pole HICON	S75Y-D04/00-0120	
Mercator CAT.7 Quad	4 x HI-RJ45-10Gbit HICON	S75Y-F00/00-0120 NEW!	



x01003



NEUTRIK

Cable type	Configuration	ORDER NO.	1.2 m
Titanex, Mercator CAT.7	1 x Power outlet, 1 x NE8MX6-B NEUTRIK	S7VW-A00/00-0120	
Titanex, Mercator CAT.7, Scuba	1 x Power outlet, 1 x NE8MX6-B, 1 x XLR 3-pole NEUTRIK	S7VW-E01/00-0120 NEW!	
Mercator CAT.7, Scuba	2 x NE8MX6-B, 2 x XLR 3-pole NEUTRIK	S7VW-B02/00-0120	
Titanex, Mercator CAT.7, Scuba	1 x Power outlet, 2 x NE8MX6-B, 2 x XLR 3-pole NEUTRIK	S7VW-C02/00-0120	
Titanex, Mercator CAT.7, Scuba	1 x Power outlet, 4 x NE8MX6-B, 4 x XLR 3-pole NEUTRIK	S7VW-D04/00-0120	
Mercator CAT.7 Quad	4 x NE8MX6-B NEUTRIK	S7VW-F00/00-0120 NEW!	



x01004

Network/DMX & Power Systems ▶ **MULTIPIN FEMALE TO MULTIPIN MALE**



1
X2JG-M02/00-...



2
X27G-M02/00-...

1 Multipin female (HAN-ECO w/o clamp) ⇔ Multipin female (HAN-ECO w/o clamp)

Cable type	ORDER NO.-LENGTH	10 m	25 m	50 m
	(Please append length in cm to ORDER NO.)			
Monocat 110C	P1JG-M00/00-LENGTH			
Monocat 111C	X1JG-M01/00-LENGTH			
Monocat 202	P2JG-M02/00-LENGTH			
Monocat 212 PVC	X2JG-M02/00-LENGTH			
Monocat 212 PUR	PLJG-M02/00-LENGTH			NEW!
Monocat 414	P4JG-M04/00-LENGTH			
Mercator Quad	K4JG-M00/00-LENGTH			NEW!



01005

2 Multipin female (HAN-ECO w/o clamp, angled) ⇔ Multipin male (HAN-ECO w/o clamp, angled)

Cable type	ORDER NO.-LENGTH	10 m	25 m	50 m
	(Please append length in cm to ORDER NO.)			
Monocat 110C	P17G-M00/00-LENGTH			
Monocat 111C	X17G-M01/00-LENGTH			
Monocat 202	P27G-M02/00-LENGTH			
Monocat 212 PVC	X27G-M02/00-LENGTH			
Monocat 212 PUR	PL7G-M02/00-LENGTH			NEW!
Monocat 414	P47G-M04/00-LENGTH			
Mercator Quad	K47G-M00/00-LENGTH			NEW!



01007

Network/DMX & Power Systems ▶ **EXTENSION ADAPTER**

Multipin extension adapter with multipin female ⇔ multipin male (both HAN-ECO with clamps)

Description	ORDER NO.
Spookie, Monocat 110C+111C	SPY-MC111-MF
Spookie, Monocat 202 and 212	SPY-MC2X2-MF
Spookie, Monocat 414	SPY-MC414-MF
Spookie Mercator Quad	SPY-MC400-MF NEW!



x01008



SPY-MC2X2-MF

Network/DMX & Power Systems ▶ 19" SYSBOXX



front side

SBM-MCATE2X2

rear side

SYSBOXX MKII, 19", 2 U, 2 HP, incoming feeder boxes for the Monocat cable series



x01009

Matching cable type	ORDER NO.	Front	Back
Monocat 110C + 111C	SBM-MCATE111	hybrid socket powerCON blue/grey	2 x MENNEKES Schuko sockets (IP54) 1 x EtherCON (NE8FDX-Y6-B)
	SBM-MCATE111TRUE	hybrid socket powerCON True1 Link	2 x MENNEKES Schuko sockets (IP54) 1 x EtherCON (NE8FDX-Y6-B) NEW!
Monocat 202 + 212	SBM-MCATE2X2	hybrid socket powerCON blue/grey	2 x MENNEKES Schuko sockets (IP54) 2 x EtherCON (NE8FDX-Y6-B) 2 x XLR male + 2 x XLR female (NC3MDLX/NC3FDLX)
	SBM-MCATE2X2TRUE	hybrid socket powerCON True1 Link	2 x MENNEKES Schuko sockets (IP54) 2 x EtherCON (NE8FDX-Y6-B) 2 x XLR male + 2 x XLR female (NC3MDLX/NC3FDLX) NEW!
Monocat 414	SBM-MCATE414	hybrid socket powerCON blue/grey	2 x MENNEKES Schuko sockets (IP54) 4 x EtherCON (NE8FDX-Y6-B) 4 x XLR male + 4 x XLR female (NC3MA/NC3FA)
	SBM-MCATE414TRUE	hybrid socket powerCON True1 Link	2 x MENNEKES Schuko sockets (IP54) 4 x EtherCON (NE8FDX-Y6-B) 4 x XLR male + 4 x XLR female (NC3MA/NC3FA) NEW!
Mercator Quad	SBM-MCATE400	hybrid socket	4 x EtherCON (NE8FDX-Y6-B) NEW!

SYSBOXX MKII, 19", 2 U, 2 HP, outgoing feeder boxes for the Monocat cable series



x01011

Matching cable type	ORDER NO.	Front	Back
Monocat 110C + 111C	SBM-MCATA111	hybrid socket	2 x MENNEKES Schuko sockets (IP54) 1 x EtherCON (NE8FDX-Y6-B)
Monocat 202 + 212	SBM-MCATA2X2	hybrid socket	2 x MENNEKES Schuko sockets (IP54) 2 x EtherCON (NE8FDX-Y6-B) 2 x XLR male + 2 x XLR female (NC3MDLX/NC3FDLX)
Monocat 414	SBM-MCATA414	hybrid socket	2 x MENNEKES Schuko sockets (IP54) 4 x EtherCON (NE8FDX-Y6-B) 4 x XLR male + 4 x XLR female (NC3MA/NC3FA)
Mercator Quad	SBM-MCATA400	hybrid socket	4 x EtherCON (NE8FDX-Y6-B) NEW!

AES/EBU, DMX & Power Systems ▶ **SC-MONOLITH**

Our Monolith cable family...

... generated the idea for this simply structured stage cabling to combine signal and power leads. The result was a compact floor stagebox which provides 2 power outlets as well as a maximum of 8 D-type openings.

Now every band, every small festival stage or every fixed installation can be equipped with a simple, efficient and reasonably priced method of cabling.

The box is available in different configurations:

- 1.) Box with fixed cable to breakout
- 2.) Box with 1 or 2 multi-pin connectors

In addition, various breakout cables and extension adapters are also available.

As an alternative, we offer our proven cable reel systems with a built-in patch panel where we make use of the same components. So that the system could also be used to wire lighting technology setups, we also supply this solution with 5-pole XLR connectors.

We offer the country-specific UK, France/Belgium, Switzerland and USA versions for the same price.

If you cannot find your desired configuration on these pages, please contact us.

AES/EBU, DMX & Power Systems ▶ **STAGEBOX TO BREAKOUT – THE BOXX 0208**



STAGEBOX PROFESSIONAL with 2 x Schuko sockets (IP54) + HICON XLR female ⇔ 1 x Schuko plug (Compatible with French version) + HICON XLR male

XHG1-M08/00-...

The breakout is optionally available with a braided plastic sleeve over the audio lines. Please replace the "M" at the 6th position of the item number for an "E".

Configuration	Version	ORDER NO.-LENGTH <i>(Please append length in cm to ORDER NO.)</i>	5 m	10 m	25 m
1 in / 0 out	1 x XLR 3-pole HICON + 230 V mains	XLG1-M01/00-LENGTH			
1 in / 0 out	1 x XLR 5-pole HICON + 230 V mains	XLG2-M01/00-LENGTH			
2 in / 0 out	2 x XLR 3-pole HICON + 230 V mains	XLG1-M02/00-LENGTH			
2 in / 0 out	2 x XLR 5-pole HICON + 230 V mains	XLG2-M02/00-LENGTH			
4 in / 0 out	4 x XLR 3-pole HICON + 230 V mains	XLG1-M04/00-LENGTH			
4 in / 0 out	4 x XLR 5-pole HICON + 230 V mains	XLG2-M04/00-LENGTH			
8 in / 0 out	8 x XLR 3-pole HICON + 230 V mains	XHG1-M08/00-LENGTH			
8 in / 0 out	8 x XLR 5-pole HICON + 230 V mains	XHG2-M08/00-LENGTH			



2x01014

STAGEBOX PROFESSIONAL with 2 x Schuko sockets (IP54) + NEUTRIK XLR female ⇔ 1 x Schuko plug + NEUTRIK XLR male

The breakout is optionally available with a braided plastic sleeve over the audio lines. Please replace the "M" at the 6th position of the item number for an "E".

Configuration	Version	ORDER NO.-LENGTH <i>(Please append length in cm to ORDER NO.)</i>	5 m	10 m	25 m
1 in / 0 out	1 x XLR 3-pole NEUTRIK + 230 V mains	XLFH-M01/00-LENGTH			
1 in / 0 out	1 x XLR 5-pole NEUTRIK + 230 V mains	XLFJ-M01/00-LENGTH			
2 in / 0 out	2 x XLR 3-pole NEUTRIK + 230 V mains	XLFH-M02/00-LENGTH			
2 in / 0 out	2 x XLR 5-pole NEUTRIK + 230 V mains	XLFJ-M02/00-LENGTH			
4 in / 0 out	4 x XLR 3-pole NEUTRIK + 230 V mains	XLFH-M04/00-LENGTH			
4 in / 0 out	4 x XLR 5-pole NEUTRIK + 230 V mains	XLFJ-M04/00-LENGTH			
8 in / 0 out	8 x XLR 3-pole NEUTRIK + 230 V mains	XHFH-M08/00-LENGTH			
8 in / 0 out	8 x XLR 5-pole NEUTRIK + 230 V mains	XHFJ-M08/00-LENGTH			



2x01015

For the international versions, please code your order based on the example of XHFJ-M08/00-LENGTH:

-  For UK please replace "/" by "U": XHFJ-M08**U**00-LENGTH
-  For USA please replace "/" by "A": XHFJ-M08**A**00-LENGTH

-  For France please replace "/" by "F": XHFJ-M08**F**00-LENGTH
-  For Switzerland please replace "/" by "C": XHFJ-M08**C**00-LENGTH

AES/EBU, DMX & Power Systems ▶ **STAGE REEL TO BREAKOUT**

MHFHHM00/01-...



STAGE REEL with 2 x Schuko sockets (IP54) + HICON XLR male
 ⇔ 1 x Schuko plug (Compatible with French version) + HICON XLR female

The breakout is optionally available with a braided plastic sleeve over the audio lines.
 Please replace the "M" at the 6th position of the item number for an "E".

Configuration	Version	Cross-section	ORDER NO.	Length	Cable reel
0 in / 1 out	1 x XLR 3-pole HICON + 230 V mains	3 x 1.5 mm²	MHG1HM00/01-5000	50 m	HT480
0 in / 1 out	1 x XLR 3-pole HICON + 230 V mains	3 x 2.5 mm²	MPG1HM00/01-7000	70 m	HT582
0 in / 1 out	1 x XLR 5-pole HICON + 230 V mains	3 x 1.5 mm²	MHG2HM00/01-5000	50 m	HT480
0 in / 1 out	1 x XLR 5-pole HICON + 230 V mains	3 x 2.5 mm²	MPG2HM00/01-7000	70 m	HT582
0 in / 2 out	2 x XLR 3-pole HICON + 230 V mains	3 x 1.5 mm²	MHG1HM00/02-5000	50 m	HT480
0 in / 2 out	2 x XLR 3-pole HICON + 230 V mains	3 x 2.5 mm²	MPG1HM00/02-7000	70 m	HT582
0 in / 2 out	2 x XLR 5-pole HICON + 230 V mains	3 x 1.5 mm²	MHG2HM00/02-5000	50 m	HT480
0 in / 2 out	2 x XLR 5-pole HICON + 230 V mains	3 x 2.5 mm²	MPG2HM00/02-7000	70 m	HT582
0 in / 4 out	4 x XLR 3-pole HICON + 230 V mains	3 x 1.5 mm²	MHG1HM00/04-5000	50 m	HT480
0 in / 4 out	4 x XLR 3-pole HICON + 230 V mains	3 x 2.5 mm²	MPG1HM00/04-7000	70 m	HT582
0 in / 4 out	4 x XLR 5-pole HICON + 230 V mains	3 x 1.5 mm²	MHG2HM00/04-5000	50 m	HT480
0 in / 4 out	4 x XLR 5-pole HICON + 230 V mains	3 x 2.5 mm²	MPG2HM00/04-7000	70 m	HT582



QRx01017

STAGE REEL with 2 x Schuko sockets (IP54) + NEUTRIK XLR male
 ⇔ 1 x Schuko plug (Compatible with French version) + NEUTRIK XLR female

The breakout is optionally available with a braided plastic sleeve over the audio lines.
 Please replace the "M" at the 6th position of the item number for an "E".

Configuration	Version	Cross-section	ORDER NO.	Length	Cable reel
0 in / 1 out	1 x XLR 3-pole NEUTRIK + 230 V mains	3 x 1.5 mm²	MHFHHM00/01-5000	50 m	HT480
0 in / 1 out	1 x XLR 3-pole NEUTRIK + 230 V mains	3 x 2.5 mm²	MPFHHM00/01-7000	70 m	HT582
0 in / 1 out	1 x XLR 5-pole NEUTRIK + 230 V mains	3 x 1.5 mm²	MHFJHM00/01-5000	50 m	HT480
0 in / 1 out	1 x XLR 5-pole NEUTRIK + 230 V mains	3 x 2.5 mm²	MPFJHM00/01-7000	70 m	HT582
0 in / 2 out	2 x XLR 3-pole NEUTRIK + 230 V mains	3 x 1.5 mm²	MHFHHM00/02-5000	50 m	HT480
0 in / 2 out	2 x XLR 3-pole NEUTRIK + 230 V mains	3 x 2.5 mm²	MPFHHM00/02-7000	70 m	HT582
0 in / 2 out	2 x XLR 5-pole NEUTRIK + 230 V mains	3 x 1.5 mm²	MHFJHM00/02-5000	50 m	HT480
0 in / 2 out	2 x XLR 5-pole NEUTRIK + 230 V mains	3 x 2.5 mm²	MPFJHM00/02-7000	70 m	HT582
0 in / 4 out	4 x XLR 3-pole NEUTRIK + 230 V mains	3 x 1.5 mm²	MHFHHM00/04-5000	50 m	HT480
0 in / 4 out	4 x XLR 3-pole NEUTRIK + 230 V mains	3 x 2.5 mm²	MPFHHM00/04-7000	70 m	HT582
0 in / 4 out	4 x XLR 5-pole NEUTRIK + 230 V mains	3 x 1.5 mm²	MHFJHM00/04-5000	50 m	HT480
0 in / 4 out	4 x XLR 5-pole NEUTRIK + 230 V mains	3 x 2.5 mm²	MPFJHM00/04-7000	70 m	HT582



QRx01019

For the international versions, please code your order based on the example of MPFJHM00/04-LENGTH:

- For UK please replace "/" by "U": MPFJHM00U04-LENGTH
- For USA please replace "/" by "A": MPFJHM00A04-LENGTH

- For France please replace "/" by "F": MPFJHM00F04-LENGTH
- For Switzerland please replace "/" by "C": MPFJHM00C04-LENGTH

MULTICORE & POWER DISTRIBUTION SYSTEMS

AES/EBU, DMX & Power Systems ► **STAGEBOX TO INTEGRATED MULTIPIN – THE BOXX 0208**

STAGEBOX PROFESSIONAL with 2 x chassis-mounted power outlets (IP54) + HICON XLR female ⇔ 1 x multipin male (ILME w. clamps)

Config.	Version	ORDER NO.
1 in / 0 out	1 x XLR 3-pole HICON + 230 V mains	XXBM-M01/00
1 in / 0 out	1 x XLR 5-pole HICON + 230 V mains	XX9L-M01/00
2 in / 0 out	2 x XLR 3-pole HICON + 230 V mains	XXBM-M02/00
2 in / 0 out	2 x XLR 5-pole HICON + 230 V mains	XX9L-M02/00  x01021
4 in / 0 out	4 x XLR 3-pole HICON + 230 V mains	XXBM-M04/00
4 in / 0 out	4 x XLR 5-pole HICON + 230 V mains	XX9L-M04/00
8 in / 0 out	8 x XLR 3-pole HICON + 230 V mains	XXBM-M08/00
8 in / 0 out	8 x XLR 5-pole HICON + 230 V mains	XX9L-M08/00

STAGEBOX PROFESSIONAL with 2 x power outlets (IP54) + NEUTRIK XLR female ⇔ 1 x multipin male (ILME w. clamps)

Config.	Version	ORDER NO.
1 in / 0 out	1 x XLR 3-pole NEUTRIK + 230 V mains	XXBG-M01/00
1 in / 0 out	1 x XLR 5-pole NEUTRIK + 230 V mains	XX9F-M01/00
2 in / 0 out	2 x XLR 3-pole NEUTRIK + 230 V mains	XXBG-M02/00
2 in / 0 out	2 x XLR 5-pole NEUTRIK + 230 V mains	XX9F-M02/00  x01022
4 in / 0 out	4 x XLR 3-pole NEUTRIK + 230 V mains	XXBG-M04/00
4 in / 0 out	4 x XLR 5-pole NEUTRIK + 230 V mains	XX9F-M04/00
8 in / 0 out	8 x XLR 3-pole NEUTRIK + 230 V mains	XXBG-M08/00
8 in / 0 out	8 x XLR 5-pole NEUTRIK + 230 V mains	XX9F-M08/00

STAGEBOX PROFESSIONAL with 2 x power outlets (IP54) + HICON XLR female ⇔ 1 x multipin male + 1 x multipin female (ILME w. clamps)

For linking through to other stageboxes

Config.	Version	ORDER NO.
1 in / 0 out	1 x XLR 3-pole HICON + 230 V mains	XXCQ-M01/00
1 in / 0 out	1 x XLR 5-pole HICON + 230 V mains	XXCT-M01/00
2 in / 0 out	2 x XLR 3-pole HICON + 230 V mains	XXCQ-M02/00
2 in / 0 out	2 x XLR 5-pole HICON + 230 V mains	XXCT-M02/00  x01023
4 in / 0 out	4 x XLR 3-pole HICON + 230 V mains	XXCQ-M04/00
4 in / 0 out	4 x XLR 5-pole HICON + 230 V mains	XXCT-M04/00
8 in / 0 out	8 x XLR 3-pole HICON + 230 V mains	XXCQ-M08/00
8 in / 0 out	8 x XLR 5-pole HICON + 230 V mains	XXCT-M08/00

STAGEBOX PROFESSIONAL with 2 x power outlets (IP54) + NEUTRIK XLR female ⇔ 1 x multipin male + 1 x multipin female (ILME w. clamps)

For linking through to other stageboxes

Config.	Version	ORDER NO.
1 in / 0 out	1 x XLR 3-pole NEUTRIK + 230 V mains	XXCL-M01/00
1 in / 0 out	1 x XLR 5-pole NEUTRIK + 230 V mains	XXCN-M01/00
2 in / 0 out	2 x XLR 3-pole NEUTRIK + 230 V mains	XXCL-M02/00
2 in / 0 out	2 x XLR 5-pole NEUTRIK + 230 V mains	XXCN-M02/00  x01025
4 in / 0 out	4 x XLR 3-pole NEUTRIK + 230 V mains	XXCL-M04/00
4 in / 0 out	4 x XLR 5-pole NEUTRIK + 230 V mains	XXCN-M04/00
8 in / 0 out	8 x XLR 3-pole NEUTRIK + 230 V mains	XXCL-M08/00
8 in / 0 out	8 x XLR 5-pole NEUTRIK + 230 V mains	XXCN-M08/00

For the international versions, please code your order based on the example of XXCN-M08/00:

-  For UK please replace **"/"** by **"U"**: e.g. XXCN-M08**U**00
-  For France please replace **"/"** by **"F"**: e.g. XXCN-M08**F**00
-  For USA please replace **"/"** by **"A"**: e.g. XXCN-M08**A**00
-  For Switzerland please replace **"/"** by **"C"**: e.g. XXCN-M08**C**00



AES/EBU, DMX & Power Systems ▶ **MULTIPIN FEMALE TO BREAKOUT**



MPDL-M08/00...



FR The Schuko plug we use is compatible with the electric outlets in France and Belgium. No adaptation of order code required.

Multipin socket (with bolts & no gasket) ⇔ HICON XLR connectors and MENNEKES Schuko cable plug.

The breakout is optionally available with a braided plastic sleeve over the audio lines. Please replace the "M" at the 6th position of the item number for an "E".

Configuration	Version	ORDER NO.-LENGTH <i>(Please append length in cm to ORDER NO.)</i>	5 m	10 m	25 m
1 in / 0 out	1 x XLR 3-pole HICON + 230 V mains	MHDL-M01/00-LENGTH			
1 in / 0 out	1 x XLR 5-pole HICON + 230 V mains	MHDS-M01/00-LENGTH			
2 in / 0 out	2 x XLR 3-pole HICON + 230 V mains	MHDL-M02/00-LENGTH			
2 in / 0 out	2 x XLR 5-pole HICON + 230 V mains	MHDS-M02/00-LENGTH			
4 in / 0 out	4 x XLR 3-pole HICON + 230 V mains	MHDL-M04/00-LENGTH			
4 in / 0 out	4 x XLR 4-pole HICON + 230 V mains	MHDS-M04/00-LENGTH			
8 in / 0 out	8 x XLR 3-pole HICON + 230 V mains	MPDL-M08/00-LENGTH			
8 in / 0 out	8 x XLR 5-pole HICON + 230 V mains	MPDS-M08/00-LENGTH			



x01027

Multipin socket (with bolts & no gasket) ⇔ NEUTRIK XLR connectors and MENNEKES Schuko cable plug.

The breakout is optionally available with a braided plastic sleeve over the audio lines. Please replace the "M" at the 6th position of the item number for an "E".

Configuration	Version	ORDER NO.-LENGTH <i>(Please append length in cm to ORDER NO.)</i>	5 m	10 m	25 m
1 in / 0 out	1 x XLR 3-pole NEUTRIK + 230 V mains	MHDA-M01/00-LENGTH			
1 in / 0 out	1 x XLR 5-pole NEUTRIK + 230 V mains	MHD8-M01/00-LENGTH			
2 in / 0 out	2 x XLR 3-pole NEUTRIK + 230 V mains	MHDA-M02/00-LENGTH			
2 in / 0 out	2 x XLR 5-pole NEUTRIK + 230 V mains	MHD8-M02/00-LENGTH			
4 in / 0 out	4 x XLR 3-pole NEUTRIK + 230 V mains	MHDA-M04/00-LENGTH			
4 in / 0 out	4 x XLR 4-pole NEUTRIK + 230 V mains	MHD8-M04/00-LENGTH			
8 in / 0 out	8 x XLR 3-pole NEUTRIK + 230 V mains	MPDA-M08/00-LENGTH			
8 in / 0 out	8 x XLR 5-pole NEUTRIK + 230 V mains	MPD8-M08/00-LENGTH			



x01028

For the international versions, please code your order based on the example of MHDA-M01/00-LENGTH:

UK For UK please replace "/" by "U": MHDA-M01**U**00-LENGTH

CH For Switzerland please replace "/" by "C": MHDA-M01**C**00-LENGTH

US For USA please replace "/" by "A": MHDA-M01**A**00-LENGTH

MULTICORE & POWER DISTRIBUTION SYSTEMS

AES/EBU, DMX & Power Systems ▶ **MULTIPIN FEMALE TO MULTIPIN MALE**



MHCP-M01/00...



x01030

Config.	ORDER NO.-LENGTH <i>(Please append length in cm to ORDER NO.)</i>	5 m	10 m	25 m
1 in / 0 out	MHCP-M01/00-LENGTH			
2 in / 0 out	MHCP-M02/00-LENGTH			
4 in / 0 out	MHCP-M04/00-LENGTH			
8 in / 0 out	MPCP-M08/00-LENGTH			

AES/EBU, DMX & Power Systems ▶ **MULTIPIN FEMALE TO BREAKOUT**

Breakout cable for SC-MONOLITH systems comprising SC-SCUBA Highflex and Rubberflex power lead.

Multipin socket (with clamps & gasket) ⇔ HICON XLR connectors and MENNEKES Schuko cable plug.

Config.	Version	ORDER NO.	1 m
1 in / 0 out	1 x XLR 3-pole HICON + 230 V mains	SFEP-M01/00-0100	
1 in / 0 out	1 x XLR 5-pole HICON + 230 V mains	SFEQ-M01/00-0100	
2 in / 0 out	2 x XLR 3-pole HICON + 230 V mains	SFEP-M02/00-0100	
2 in / 0 out	2 x XLR 5-pole HICON + 230 V mains	SFEQ-M02/00-0100	
4 in / 0 out	4 x XLR 3-pole HICON + 230 V mains	SFEP-M04/00-0100	
4 in / 0 out	4 x XLR 5-pole HICON + 230 V mains	SFEQ-M04/00-0100	
8 in / 0 out	8 x XLR 3-pole HICON + 230 V mains	SFEP-M08/00-0100	
8 in / 0 out	8 x XLR 5-pole HICON + 230 V mains	SFEQ-M08/00-0100	



SFEP-M04/00-0100



x01031



FR The Schuko plug we use is compatible with the electric outlets in France and Belgium. No adaptation of order code required.

Multipin socket (with clamps & gasket) ⇔ NEUTRIK XLR connectors and MENNEKES Schuko cable plug.

Config.	Version	ORDER NO.	1 m
1 in / 0 out	1 x XLR 3-pole NEUTRIK + 230 V mains	SFER-M01/00-0100	
1 in / 0 out	1 x XLR 5-pole NEUTRIK + 230 V mains	SFET-M01/00-0100	
2 in / 0 out	2 x XLR 3-pole NEUTRIK + 230 V mains	SFER-M02/00-0100	
2 in / 0 out	2 x XLR 5-pole NEUTRIK + 230 V mains	SFET-M02/00-0100	
4 in / 0 out	4 x XLR 3-pole NEUTRIK + 230 V mains	SFER-M04/00-0100	
4 in / 0 out	4 x XLR 5-pole NEUTRIK + 230 V mains	SFET-M04/00-0100	
8 in / 0 out	8 x XLR 3-pole NEUTRIK + 230 V mains	SFER-M08/00-0100	
8 in / 0 out	8 x XLR 5-pole NEUTRIK + 230 V mains	SFET-M08/00-0100	



x01032



For the international versions, please code your order based on the example of SFER-M01/00-0100:

- UK** For UK please replace "/" by "U": SFER-M01U00-0100
- US** For USA please replace "/" by "A": SFER-M01A00-0100
- CH** For Switzerland please replace "/" by "C": SFER-M01C00-0100

AES/EBU, DMX & Power Systems ▶ **EXTENSION ADAPTER**

Multipin extension adapter with multipin female ⇔ multipin male (both with clamps & gasket)

Description	ORDER NO.
Spookie, Monolith 8	SPY-MH-MF



x01033



AES/EBU, DMX & Power Systems ▶ **19" SYSBOXX BREAKOUT BOX**

The power supply is internally distributed from the powerCON input to all 3 outputs. 19" rack-mount enclosure, 2 U, 80 mm/3.15" deep

- Front:** 3 x multipin sockets (with clamps & gasket)
- Back:** powerCON Input + Link (NAC3MPA/B-1)
1 m/3 ft. fanout made of SC-SCUBA (3 x 8 Channels - red, green, grey) to 24 x NEUTRIK 3-pin XLR male (NC3MXX)

ORDER NO.
SBM-MLITH8X3



x01034



Audio ▶ Stagebox with LK round connector ▶ **THE BOXX LK16 8-CHANNEL**

Our floor stagebox **THE BOXX-LK16** is an 8-channel system in a heavy-duty steel housing we offer for professional live events. The stagebox is combined with our highly reliable **HICON** round connectors in a 25-pole version which, besides their robust and compact design, feature high mating cycles and very good watertightness (IP67). They are compatible with all common round connectors according to the MIL standard. The pins come gold-plated (standard) and the bayonet locking mechanism ensures a securely seated, tightly sealed connection. Optionally the stageboxes are also available with a multipin input to allow for simple daisy-chaining.

This system is internationally widespread and thus offers a good compatibility with existing systems.



TBWI-P08/08



x01036

1 Stagebox THE BOXX LK with NEUTRIK XLR and 1 x LK multipin, separate grounding

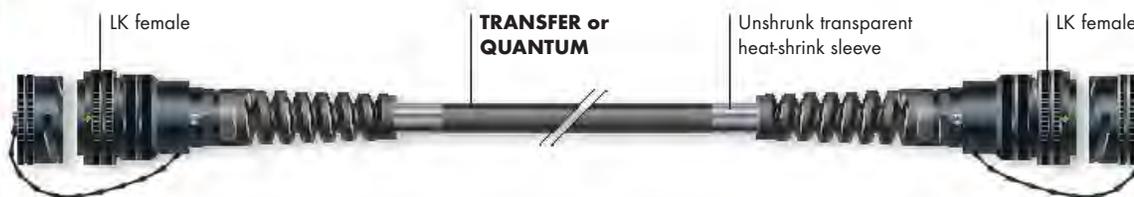
Configuration	Multipin	Housing [W x D x H]	ORDER NO.
8 in / 8 out	LK25 male	270 x 92 x 85 mm	TBWG-P08/08
8 in / 8 out	LK25 male + female	270 x 92 x 85 mm	TBWH-P08/08
8 in / 8 out	2 x LK25 male	270 x 92 x 85 mm	TBWI-P08/08

Audio ▶ **MULTIPAIR SNAKE WITH LK ROUND CONNECTORS 8-CHANNEL**

For our snakes we use our abrasion-proof and dirt-repellent **TRANSFER AMCK** cable with individually insulated wire pairs, cross-braided shielding and a highly flexible PUR-blend jacket or, optionally, the highly flexible **SC-QUANTUM** in a PVC jacket, also with individually insulated and shielded wire pairs, which is particularly suitable for stage areas. For the connectors we use two **HICON** round plugs with

protective caps. The multipairs listed here have separate grounding (standard). Both cable ends are fitted with a 10 cm/3.9" piece of clear unshrunk heat-shrink sleeve, perfect for your personal labelling.

Multipin protective covers are included!



x01038

PROTECTIVE BAG INCLUDED!



Multipair Multipin female ⇔ Multipin female TOURLOCK, separate grounding

PROTECTIVE BAG INCLUDED! compatible

Cable type	Configuration	Multipin	ORDER NO.-LENGTH <i>(Please append length in cm to ORDER NO.)</i>
TRANSFER	8 channel	LK25	TFXC-M08/00-LENGTH
QUANTUM	8 channel	LK25	QMXC-M08/00-LENGTH



x01039

PROTECTIVE BAG INCLUDED!



Multipair Multipin female ⇔ Multipin male TOURLOCK, separate grounding

PROTECTIVE BAG INCLUDED! compatible

Cable type	Configuration	Multipin	ORDER NO.-LENGTH <i>(Please append length in cm to ORDER NO.)</i>
TRANSFER	8 channel	LK25	TFXA-M08/00-LENGTH
QUANTUM	8 channel	LK25	QMXA-M08/00-LENGTH

Audio ▶ Patchbox with LK round connectors ▶ **19" SYSBOXX 8-CHANNEL**

To realize complex wirings on small, mid-sized or large stages, we offer practical patchboxes as part of our widespread and proven **SYSBOXX** system. The multi-colored fanout marking ensures good visibility even on dark stages. Here again we

rely on our dependable **HICON** round connectors in combination with quality XLRs from **NEUTRIK**.

SYSBOXX with LK25 male and 8 XLR males per LK

Cable outlet on front



ORDER NO.	DESCRIPTION
SBM-LK25MX1F	1 x LK25 male, 8 x XLR male
SBM-LK25MX2F	2 x LK25 male, 16 x XLR male
SBM-LK25MX3F	3 x LK25 male, 24 x XLR male
SBM-LK25MX4F	4 x LK25 male, 32 x XLR male



Cable outlet on rear

ORDER NO.	DESCRIPTION
SBM-LK25MX1B	1 x LK25 male, 8 x XLR male
SBM-LK25MX2B	2 x LK25 male, 16 x XLR male
SBM-LK25MX3B	3 x LK25 male, 24 x XLR male
SBM-LK25MX4B	4 x LK25 male, 32 x XLR male
SBM-LK25MX5B	5 x LK25 male, 40 x XLR male
SBM-LK25MX6B	6 x LK25 male, 48 x XLR male



SYSBOXX with LK25 female and 8 XLR males per LK

Cable outlet on front



ORDER NO.	DESCRIPTION
SBM-LK25FX1F	1 x LK25 female, 8 x XLR male
SBM-LK25FX2F	2 x LK25 female, 16 x XLR male
SBM-LK25FX3F	3 x LK25 female, 24 x XLR male
SBM-LK25FX4F	4 x LK25 female, 32 x XLR male



Cable outlet on rear

ORDER NO.	DESCRIPTION
SBM-LK25FX1B	1 x LK25 female, 8 x XLR male
SBM-LK25FX2B	2 x LK25 female, 16 x XLR male
SBM-LK25FX3B	3 x LK25 female, 24 x XLR male
SBM-LK25FX4B	4 x LK25 female, 32 x XLR male
SBM-LK25FX5B	5 x LK25 female, 40 x XLR male
SBM-LK25FX6B	6 x LK25 female, 48 x XLR male



Audio ▶ Stagebox with LK round connector ▶ **THE BOXX-LK24, 12-CHANNEL**

Our floor stagebox **THE BOXX-LK24** is a 12-channel system in a heavy-duty steel housing that we offer for professional live events. The stagebox is combined with our highly reliable **HICON** round connectors in a 37-pole version which features high mating cycles and imperviousness to water (IP67) in a robust and compact format. They are compatible with all common round connectors according to the MIL standard. The pins come gold-plated (standard) and the bayonet locking mechanism ensures a tightly and securely sealed connection.

Optionally the stageboxes are also available with a multipin input to enable simple daisy-chaining (e.g., 12 channels spread over the stage front).

This system is internationally widespread and offers good compatibility with existing systems.



TBWL-P12/12

Stagebox THE BOXX LK with NEUTRIK XLR and 1 x LK multipin, separate grounding

Configuration	Multipin	Housing [W x D x H]	ORDER NO.
12 in / 12 out	LK37 male	371 x 92 x 85 mm	TBWJ-P12/12
12 in / 12 out	LK37 male + female	371 x 92 x 85 mm	TBWK-P12/12
12 in / 12 out	2 x LK37 male	371 x 92 x 85 mm	TBWL-P12/12



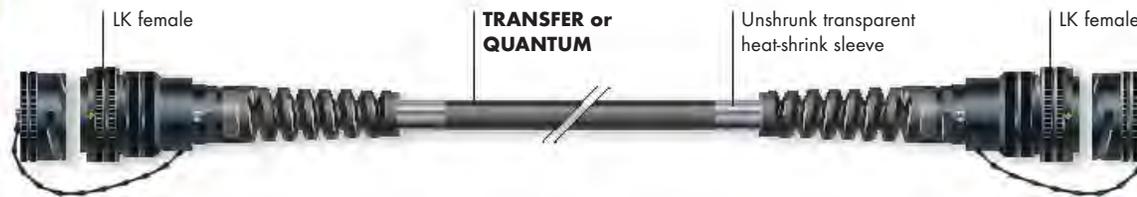
x01048

Audio ▶ **MULTIPAIR SNAKE WITH LK ROUND CONNECTOR, 12-CHANNEL**

For our snakes we use our abrasion-proof and dirt-repellent **TRANSFER AMCK** cable with individually insulated wire pairs, cross-braided shielding and a highly flexible PUR-blend jacket or optionally the highly flexible **SC-QUANTUM** in a PVC jacket, also with individually insulated and shielded wire pairs, which is particularly suitable for stage use. For the connectors we use two **HICON** round plugs with

protective caps. The multipairs listed here have separate grounding (standard). Both cable ends are fitted with a 10 cm/3.9" unshrunk length of clear heat-shrink tubing for your personal labelling.

Multipin protective covers are included!



x01049

PROTECTIVE BAG INCLUDED!



Multipair Multipin female ⇔ Multipin female TOURLOCK, separate grounding

Eye Protect compatible

Cable type	Configuration	Multipin	ORDER NO.-LENGTH (Please append length in cm to ORDER NO.)
TRANSFER	12 channel	LK37	TFVH-M12/00-LENGTH
QUANTUM	12 channel	LK37	QMVH-M12/00-LENGTH



x01050

PROTECTIVE BAG INCLUDED!



Multipair Multipin female ⇔ Multipin male TOURLOCK, separate grounding

Eye Protect compatible

Cable type	Configuration	Multipin	ORDER NO.-LENGTH (Please append length in cm to ORDER NO.)
TRANSFER	12 channel	LK37	TFVK-M12/00-LENGTH
QUANTUM	12 channel	LK37	QMVK-M12/00-LENGTH

Audio ▶ Patchbox with LK round connectors ▶ **19" SYSBOXX, 12-CHANNEL**

For complex wirings on small, mid-sized or large stages, we offer practical patchboxes as part of our widespread and proven **SYSBOXX** system. The multi-colored fanout marking ensures good visibility even on dark stages. Here again we

rely on our dependable **HICON** round connectors in combination with quality XLRs from **NEUTRIK**.



SYSBOXX with LK37 male and 12 XLR males per LK

Cable outlet on front

ORDER NO.	DESCRIPTION
SBM-LK37MX1F	1 x LK37 male, 12 x XLR male
SBM-LK37MX2F	2 x LK37 male, 24 x XLR male
SBM-LK37MX3F	3 x LK37 male, 36 x XLR male
SBM-LK37MX4F	4 x LK37 male, 48 x XLR male



Cable outlet on rear

ORDER NO.	DESCRIPTION
SBM-LK37MX1B	1 x LK37 male, 12 x XLR male
SBM-LK37MX2B	2 x LK37 male, 24 x XLR male
SBM-LK37MX3B	3 x LK37 male, 36 x XLR male
SBM-LK37MX4B	4 x LK37 male, 48 x XLR male
SBM-LK37MX5B	5 x LK37 male, 60 x XLR male
SBM-LK37MX6B	6 x LK37 male, 72 x XLR male



SYSBOXX with LK37 female and 12 XLR males per LK

Cable outlet on front

ORDER NO.	DESCRIPTION
SBM-LK37FX1F	1 x LK37 female, 12 x XLR male
SBM-LK37FX2F	2 x LK37 female, 24 x XLR male
SBM-LK37FX3F	3 x LK37 female, 36 x XLR male
SBM-LK37FX4F	4 x LK37 female, 48 x XLR male



Cable outlet on rear

ORDER NO.	DESCRIPTION
SBM-LK37FX1B	1 x LK37 female, 12 x XLR male
SBM-LK37FX2B	2 x LK37 female, 24 x XLR male
SBM-LK37FX3B	3 x LK37 female, 36 x XLR male
SBM-LK37FX4B	4 x LK37 female, 48 x XLR male
SBM-LK37FX5B	5 x LK37 female, 60 x XLR male
SBM-LK37FX6B	6 x LK37 female, 72 x XLR male



Power load Distribution Systems ▶ **MULTIPIN DISTRIBUTORS***Putting an end to the allocation chaos...*

...was the aim of the DIN 15765 new regulation. In Germany it was not unusual that different parts of the country had different allocation standards for powered multi-conductor cabling systems. Since April 2010 there now exists a unified standard "for the connection and distribution of several power circuits in the mobile production and event business".

In contrast to prior norms, today the connectors to be used and the wiring schemes to be adhered to are all specified in unified form. On the other hand, the wire cross-sections and number of conductors have changed only slightly if at all. The systems offered here comply 100% with the new standard.

Our robust **SOMMER CABLE MULTIPIN DISTRIBUTORS** are the best choice where several individual fixtures (theater spots, single PAR spot, floor spots, audience blinders, etc.) are to be connected to a powered multi-conductor cable. Due to their very highly compact and rugged design they are also ideal for use in or on trussing systems.

The distribution boxes have a powder-coated, rugged sheet steel housing equipped with high-quality Mennekes Schuko sockets plus two M10 threads for accepting, for example, threaded eyelets or mini TV spigots.

The power outlets with hinged covers are clearly numbered. The NEUTRIK powerCON version is fitted with 12 powerCON sockets (2 per channel). All are optionally available with either one or two 16-pole multi-pin connectors from ILME (compatible with Harting HAN E series) and now also with HI-SOCA19 connectors (compatible with Socapex 419).

Suitable for feeding in power easily – e.g., on dimmers without an MP output – is the multipin socket ⇔ 6 x Schuko plugs version which are fitted with our robust Rubberflex and the ultrasolid Mennekes Schuko cable plugs. The breakout cables are clearly identified by number using heat-shrink sleeves. The multipin distributors come fully wired.

We gladly accept your written orders for others versions (e.g., with CEE 16 A outputs) and multi-pin connectors (e.g., 10-pole) by fax or e-mail to support@sommercable.com.

**ORDER NO.****Model version**

SV-10	6 x Schuko / 16 A ⇔ CNEM16 IN
1 SV-11	6 x Schuko / 16 A ⇔ CNEM16 IN + CNEF16 LINK
SV-12	6 x Schuko / 16 A ⇔ HI-SOCA19-MP IN
2 SV-13	6 x Schuko / 16 A ⇔ HI-SOCA19-MP IN + HI-SOCA19-FP LINK
3 SV-14	12 x NAC3MPB powerCON ⇔ CNEM16 IN
SV-15	12 x NAC3MPB powerCON ⇔ CNEM16 IN + CNEF16 LINK
4 TV8B-M06/00-0100	6 x Schuko plug ⇔ Multipin 116-pole female, TITANEX® 1 m
TV8C-M06/00-0100	6 x Schuko plug ⇔ Socapex 19-pole female, TITANEX® 1 m



x01057

Load Distribution Systems ▶ Powered multicore cables ▶ **MULTI-PIN PLUG ↔ MULTI-PIN SOCKET**

SC-ATRIUM FLEX

We deliver our robust and sturdy SC-ATRIUM FLEX cable family (flexible inner construction pursuant to VDE 0295/class 5) finished with dependable ILME rectangular connectors (compatible with Harting HAN E series) or with HI-SOCA19 round connectors (compatible with Socapex 419). As sleeve support and for optimal strain relief we use high-quality spiral sleeve support screw joints. If you need to extend the powered multicore cables, we offer the SPY-MB... extension adapters.

Please note, that with lighting and power load applications all relevant VDE provisions and common accident prevention regulations must be observed. The following table contains approximate guidelines:

Rated current fuse:	10 A		16 A	
Fuse characteristic:	B	C	B	C
Max. cable length @ 1.5 mm ² :	116 m	52 m	not permissible	
Max. cable length @ 2.5 mm ² :	194 m	86 m	113 m	46 m

The powered multicores ATY9-131 and ATFU-181 are available in grey and black. Please specify order code:

■ black: SW ■ grey: GR
If no color is specified, we deliver in grey.

Ships complete with multipin protective bags!



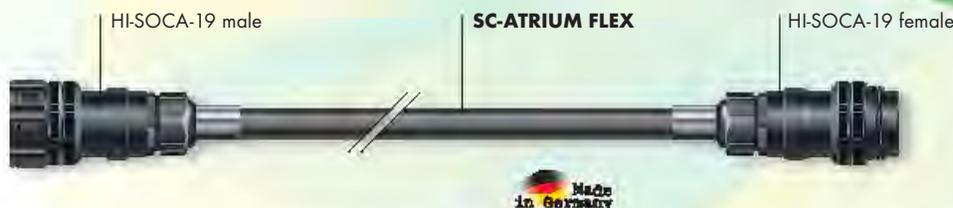
12 x 1.5 mm² - available in grey only. Other lengths on request:

ORDER NO.	Configuration	Multipin	Length
ATY8-121-0500-GR	12 x 1.5 mm ²	10-pole	5.0 m
ATY8-121-1000-GR	12 x 1.5 mm ²	10-pole	10.0 m
ATY8-121-2000-GR	12 x 1.5 mm ²	10-pole	20.0 m
SPY-MB10-MF Extension adapter grey	12 x 1.5 mm ²	10-pole	---



Cable color: black - Other lengths on request

ORDER NO.	Configuration	Multipin	Length
ATY9-131-0500-SW	13 x 1.5 mm ²	16-pole	5.0 m
ATY9-131-1000-SW	13 x 1.5 mm ²	16-pole	10.0 m
ATY9-131-2000-SW	13 x 1.5 mm ²	16-pole	20.0 m
ATY9-132-0500-SW	13 x 2.5 mm ²	16-pole	5.0 m
ATY9-132-1000-SW	13 x 2.5 mm ²	16-pole	10.0 m
ATY9-132-2000-SW	13 x 2.5 mm ²	16-pole	20.0 m
ATY9-132-5000-SW	13 x 2.5 mm ²	16-pole	50.0 m
SPY-MB16-MF Extension adapter grey	universal	16-pole	---



Cable color: black - Other lengths on request

ORDER NO.	Configuration	Multipin	Length
ATFU-181-0500-SW	18 x 1.5 mm ²	Socapex 19-pole	5.0 m
ATFU-181-1000-SW	18 x 1.5 mm ²	Socapex 19-pole	10.0 m
ATFU-181-2000-SW	18 x 1.5 mm ²	Socapex 19-pole	20.0 m
ATFU-182-0500-SW	18 x 2.5 mm ²	Socapex 19-pole	5.0 m
ATFU-182-1000-SW	18 x 2.5 mm ²	Socapex 19-pole	10.0 m
ATFU-182-2000-SW	18 x 2.5 mm ²	Socapex 19-pole	20.0 m
ATFU-182-5000-SW	18 x 2.5 mm ²	Socapex 19-pole	50.0 m



Speaker Systems ▶ **SP-BOXX II / MULTIPIN HI-SOCA19**

The intelligent speaker distribution...

Our SP-BOXX is the modular solution for loudspeaker distribution systems – no matter if we talk about main PA systems or monitor sub-distributions. It transmits 8 loudspeaker channels simultaneously and has a very clearly laid out panel full of speaker terminal connectors, all NEUTRIK SPEAKON components. There are three NL4 sockets for each channel pair: one fully wired (1+/1-/-2+/2-) and two partially wired (1+/1-). In the -JU version the upper NL4 row is fitted with jumpers and thus wired in parallel with 1+/-2+ and 1-/-2-.* As the multi-pin connector we chose the 19-pole HICON HI-SOCA-19, which is fully compatible with the SOCAPEX 419 series. The SP-BOXX is available with multipin input plus input and link-through multipin.

The housing is made of 2 mm/0.08" sheet steel and has our proven scratch-proof powder coating finish. The pin assignment has been silk-screen printed and is clearly legible. An M10 thread on the side of the box can help secure the unit for added safety when used overhead. As matching cable we employ our extremely rugged ELEPHANT 16 x 4 mm² / AWG11, also ready-made with the HI SOCA-19, and our different breakouts to Amphenol EP5, NEUTRIK NL8 and NEUTRIK NL4 systems. We offer an EP5 version for compatibility specifically with the system cabling of the loudspeaker company D&B.

DESCRIPTION	ORDER NO.
SP-BOXX HI-SOCA-19 IN ⇔ 12 x NL4	LA-5
SP-BOXX HI-SOCA-19 IN + Linkout ⇔ 12 x NL4	LA-6



* Add order suffix "-JU" to order number for bridged version, order example: **LA-5-JU**

ELEPHANT ROBUST 16 x 4.0 mm²
Multipin HICON HI-SOCA-19 male ⇔ Multipin HICON HI-SOCA-19 female

LENGTH	ORDER NO.
10 m	ELFUU164-1000
20 m	ELFUU164-2000
25 m	ELFUU164-2500
30 m	ELFUU164-3000

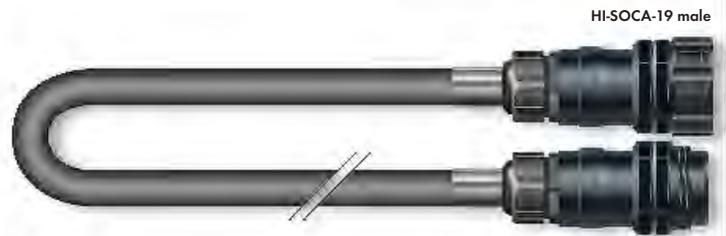


ELEPHANT ROBUST 5 x 4.0 mm²
Multipin HICON HI-SOCA-19 female ⇔ 3 x EP-5-12

LENGTH	ORDER NO.
1.0 m	ELUQ-03/00-0100
2.5 m	ELUQ-03/00-0250

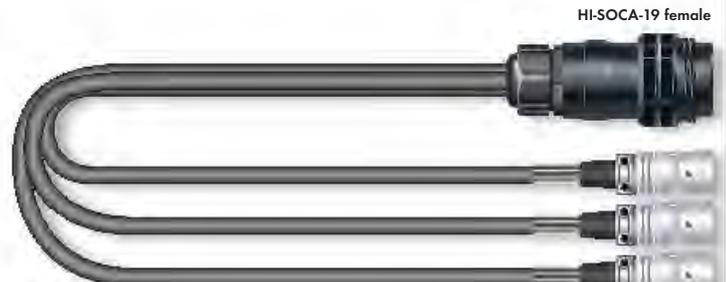


LA-6



HI-SOCA-19 male

HI-SOCA-19 female



HI-SOCA-19 female

EP5 male



HI-SOCA-19 male



EL1K...

EL1M...

EL1P...

ELEPHANT ROBUST
Multipin HICON HI-SOCA-19-male ⇔ fanout with NEUTRIK SPEAKON or EP5



CABLE TYPE	VERSION SPLICE	ORDER NO.-LENGTH (Please append length in cm to ORDER NO.)	1 m (-0100)	2.5 m (-0250)
ELEPHANT ROBUST 8 x 4.0 mm ²	2 x NLT8FX	EL1K-02/00-LENGTH		
ELEPHANT ROBUST 4 x 4.0 mm ²	4 x NLT4FX	EL1M-04/00-LENGTH		
ELEPHANT ROBUST 5 x 4.0 mm ² , D&B pin configuration	3 x EP-5-11P	EL1P-03/00-LENGTH		

Speaker Systems ▶ Multipin HI-SOCA ▶ CABLE SOLUTIONS WITH GLANDMASTER SPLICE ADAPTER

For the following items we use our extremely tough **GLANDMASTER** splice adapters. The breakout point can handle a lot of abuse, it's 100% sealed and has a perfect strain relief. The greatest advantage of these items is that you can **freely specify the breakout point and splice length**. That makes these adapters infinitely customizable to any possible application.

Determine the splice length!

SPLICE LENGTH and ORDER CODE:

The coding of the splice length is done in alphabetical order in 0.10 m steps by the **letter before the LENGTH**:

A = 10 cm, **B** = 20 cm, **C** = 30 cm ... **X** = 240 cm, **Y** = 250 cm, **Z** = 260 cm

Please note that the **LENGTH** specification in the order code determines the section between main plug and the **GLANDMASTER** itself, and the splice length will then be added to this.

Order example: GLRA-164J0300

(△ overall length = 300 cm; extra splice length = 100 cm)



1 ELEPHANT ROBUST SPM1640 16 x 4.0 mm² Multipin HICON HI-SOCA-19-male ⇔ Splice with NEUTRIK SPEAKON

SPLICE VERSION (Connector / cable, splice length)	ORDER NO. LENGTH (Please append multicore length in cm to ORDER NO.)
a 2 x NLT8FX-BAG / ELEPHANT SPM840 (100 cm)	GLRB-164 J LENGTH
b 2 x NL8FC / ELEPHANT SPM840 (100 cm)	GLRA-164 J LENGTH
c 4 x NL4FX-SOM / ELEPHANT SPM440 (100 cm)	GLR4-164 J LENGTH
d 4 x NLT4FX-BAG / ELEPHANT SPM440 (100 cm)	GLR7-164 J LENGTH
e 8 x NL2FX-SOM / MERIDIAN SP240 (100 cm)	GLJH-164 J LENGTH



x01069

2 ELEPHANT ROBUST SPM1640 16 x 4.0 mm² Multipin HICON HI-SOCA-19-female ⇔ Splice with NEUTRIK SPEAKON

SPLICE VERSION (Connector / cable, splice length)	ORDER NO. LENGTH (Please append multicore length in cm to ORDER NO.)
a 2 x NL8FC / ELEPHANT SPM840 (100 cm)	GL82-164 J LENGTH
b 2 x NLT8FX-BAG / ELEPHANT SPM840 (100 cm)	GLDJ-164 J LENGTH
c 4 x NL4FX-SOM / ELEPHANT SPM440 (100 cm)	GL6N-164 J LENGTH
d 4 x NLT4FX-BAG / ELEPHANT SPM440 (100 cm)	GL6Y-164 J LENGTH
e 8 x NL2FX-SOM / MERIDIAN SP240 (100 cm)	GLFW-164 J LENGTH



x01071



1 ELEPHANT ROBUST SPM1640 16 x 4.0 mm² Multipin HICON HI-SOCA-19-male ⇔ Splice with multipin HICON LK-8-pole female

SPLICE VERSION (Connector / cable, splice length)	ORDER NO. LENGTH (Please append multicore length in cm to ORDER NO.)
f 2 x HI-LK008FV / ELEPHANT SPM840 (100 cm)	GLWI-164 J LENGTH
g 2 x HI-LK008FVR / ELEPHANT SPM840 (100 cm)	GLWK-164 J LENGTH



x01072

2 ELEPHANT ROBUST SPM1640 16 x 4.0 mm² Multipin HICON HI-SOCA-19-female ⇔ Splice with multipin HICON LK-8-pole male

SPLICE VERSION (Connector / cable, splice length)	ORDER NO. LENGTH (Please append multicore length in cm to ORDER NO.)
h 2 x HI-LK008MV / ELEPHANT SPM840 (100 cm)	GLWJ-164 J LENGTH
i 2 x HI-LK008MVR / ELEPHANT SPM840 (100 cm)	GLWL-164 J LENGTH



x01074

Speaker Systems ▶ **SP-BOXX II / MULTIPIN LK 8-POLE**

Like its big brother...

... the "small" **SP-BOXX** also builds upon proven components from HICON and NEUTRIK - teamed with SYSBOXX-inside and the same robust external design. Here again we have three NL4 sockets for each channel pair: one fully wired (1+/1-/2+/2-) and two partially wired (1+/1-). In the -JU version the upper NL4 row is fitted with jumpers and wired in parallel with 1+/2+ and 1-/2-.* For our multi-pin connectors, we selected either the 8-pole HICON PA-COM

(compatible with the widespread CA-COM 8-pole) or the NEUTRIK NL8 (see the following pages). The **SP-BOXX** is available with multipin input plus input and link-through multi-pin connectors.

DESCRIPTION	ORDER NO.	
SP-BOXX LK8MP ⇔ 6 x NL4/2	LA-3	
SP-BOXX 2 x LK8 IN + Linkout ⇔ 6 x NL4/2	LA-4	
SP-BOXX 2 x LK8 IN + Linkout ⇔ 6 x NL4/2	LA-4R	
Both multipins w/o locking ring	x01077	

* Add order suffix "**JU**" to order number for bridged version, order example: **LA-3-JU**

ELEPHANT ROBUST 8 x 4.0 mm²
Multipin LK 8-pole male ⇔ Multipin LK 8-pole female

LENGTH	ORDER NO.	
5 m	ELVXU840-0500	
10 m	ELVXU840-1000	
20 m	ELVXU840-2000	
25 m	ELVXU840-2500	

ELEPHANT ROBUST 8 x 4.0 mm²
Multipin LK 8-pole male ⇔ Multipin LK 8-pole female both Multipins with locking ring, L'ACOUSTICS compatible

LENGTH	ORDER NO.	
5 m	ELUWU840-0500	
10 m	ELUWU840-1000	
20 m	ELUWU840-2000	
25 m	ELUWU840-2500	



LA-4



HI-LK008MV

HI-LK008FV



HI-LK008MVR

HI-LK008FV



SC-MERIDIAN 2x2.5mm², multipin LK-8-pole-male HI-LK008MV ⇔ splice with NEUTRIK SPEAKON, L'ACOUSTICS compatible

VERSION	ORDER NO.-LENGTH	
SPLICE	(Please append length in cm to ORDER NO.)	1 m (-0100) 2.5 m (-0250)
 4 x NL4FX-SOM △ DOSUB-LA8	METT-04/00-LENGTH	
 1 x NL4FX-SOM + 2 x NL2FX-SOM △ DO3WFILL	ME3H-02/01-LENGTH	
 2 x NL4FX-SOM △ DOFILL-LA8	ME4T-00/02-LENGTH	

SC-MERIDIAN 2x2.5mm², multipin LK-8-pole-female HI-LK008FV ⇔ splice with NEUTRIK SPEAKON

VERSION	ORDER NO.-LENGTH	
SPLICE	(Please append length in cm to ORDER NO.)	1 m (-0100) 2.5 m (-0250)
 4 x NL4FX-SOM	METS-04/00-LENGTH	

SC-MERIDIAN 2x2.5mm², multipin LK-8-pole-female without locking ring HI-LK008FVR ⇔ splice with NEUTRIK SPEAKON

VERSION	ORDER NO.-LENGTH	
SPLICE	(Please append length in cm to ORDER NO.)	1 m (-0100) 2.5 m (-0250)
 4 x NL4FX-SOM	METW-04/00-LENGTH	

MULTICORE & POWER DISTRIBUTION SYSTEMS

Speaker Systems ▶ Multipin LK 8-pole ▶ **ADAPTER**

Extension adapter LK 8-pole male ↔ LK 8-pole female (w/o locking ring), L'ACOUSTICS compatible

DESCRIPTION	ORDER NO.
Spookie LK 8-pole male ↔ female	SPY-LK008-MF



x01085



Speaker Systems ▶ Multipin LK 8-pole ▶ **CABLE SOLUTIONS WITH GLANDMASTER SPICE ADAPTER**

For the following items, we use our incredibly tough **GLANDMASTER** splice adapters. The breakout point can handle a lot of abuse, is 100% sealed and has a perfect strain relief. The greatest advantage of these items is that you can **freely specify the breakout point and splice length**. That makes these adapters eminently customizable to just about any possible application.

Determine the splice length!

SPLICE LENGTH and ORDER CODE:

The coding of the splice length is done in alphabetical order in 10 cm/0.33 ft. steps by **the letter before the LENGTH**:

A = 10 cm/0.33 ft., **B** = 20 cm/0.65 ft., **C** = 30 cm/1 ft. ...
X = 240 cm/7.9 ft., **Y** = 250 cm/8.2 ft., **Z** = 260 cm/8.5 ft.

Please note that the **LENGTH** specification in the order code determines the section between main plug and **GLANDMASTER**; the splice length will then be added to this.

Order example: GL68-840**D**0300

(△ overall length = 300 cm/10 ft.; extra splice length (F) = 40 cm/1.3 ft.)



1 ELEPHANT ROBUST SPM840 8 x 4.0 mm²
Multipin LK-8-pole female HI-LK008FV ↔ Splice with NEUTRIK SPEAKON

SPLICE VERSION (Connector / cable, splice length)	ORDER NO. LENGTH (Please append multicore length in cm to ORDER NO.)
a 4 x NL2FX-SOM / MERIDIAN SP240 (20 cm)	GL36-840 B LENGTH
b 2 x NLT4FX-BAG / ELEPHANT SPM440 (20 cm)	GL6E-840 B LENGTH
c 2 x NL4FX-SOM / ELEPHANT SPM440 (20 cm)	GL5S-840 B LENGTH



x01089

2 ELEPHANT ROBUST SPM840 8 x 4.0 mm²
Multipin LK-8-pole male HI-LK008MV ↔ Splice with NEUTRIK SPEAKON

SPLICE VERSION (Connector / cable, splice length)	ORDER NO. LENGTH (Please append multicore length in cm to ORDER NO.)
a 4 x NL2FX-SOM / MERIDIAN SP240 (40 cm)	GL68-840 D LENGTH
b 2 x NLT4FX-BAG / ELEPHANT SPM440 (40 cm)	GLYT-840 D LENGTH
c 2 x NL4FX-SOM / ELEPHANT SPM440 (40 cm)	GLNS-840 D LENGTH



x01091

3 ELEPHANT ROBUST SPM840 8 x 4.0 mm²
Multipin LK-8-pole male with HI-LK008MVR retainer sleeve ↔ Splice with NEUTRIK SPEAKON

SPLICE VERSION (Connector / cable, splice length)	ORDER NO. LENGTH (Please append multicore length in cm to ORDER NO.)
a 4 x NL2FX-SOM / MERIDIAN SP240 (40 cm)	GLU6-840 D LENGTH
b 2 x NLT4FX-BAG / ELEPHANT SPM440 (40 cm)	GLWF-840 D LENGTH
c 2 x NL4FX-SOM / ELEPHANT SPM440 (40 cm)	GLU9-840 D LENGTH



x01093

Speaker Systems ▶ **SP-BOXX II / MULTIPIN NEUTRIK SPEAKON NL8**

Like its big brother...

... the "small" **SP-BOXX** also builds upon proven components from NEUTRIK - teamed with SYSBOXX-inside and the same robust external design.

Here again we have three NL4 sockets for each channel pair: one fully wired (1+/1-/2+/2-) and two partially wired (1+/1-).

In the -JU version the upper NL4 row is fitted with jumpers and wired in parallel with 1+/2+ and 1-/2-.*

For multi-pin connectors, we chose the NEUTRIK NL8. The **SP-BOXX** is available with multipin input plus input and link-through multipin.

DESCRIPTION	ORDER NO.	
SP-BOXX NL8MPR ⇔ 6 x NL4/2	LA-1	
SP-BOXX NL8 (IN + OUT) ⇔ 6 x NL4/2	LA-2	
SP-BOXX NL8 (IN) ⇔ 6 x NL4/2 ⇔ NL8FP, <i>compatible with d&b audio</i>	LA-2R	

* Add order suffix "-JU" to order number for bridged version, order example: **LA-1-JU**

**ELEPHANT ROBUST 8 x 4.0 mm²,
NEUTRIK NL8FC ⇔ NEUTRIK NL8FC,**
fully wired, individual wires are numbered

LENGTH	ORDER NO.	
5 m	EL16U840-0500	
10 m	EL16U840-1000	
20 m	EL16U840-2000	
25 m	EL16U840-2500	

ELEPHANT ROBUST 8 x 4.0 mm², NEUTRIK NLT8FX ⇔ NEUTRIK NLT8FX

LENGTH	ORDER NO.	
5 m	ELA9U840-0500	
10 m	ELA9U840-1000	
20 m	ELA9U840-2000	
25 m	ELA9U840-2500	

**ELEPHANT ROBUST 8 x 4.0 mm²,
NEUTRIK NLT8FX-BAG ⇔ NEUTRIK NLT8MX-BAG**

LENGTH	ORDER NO.	
5 m	ELRMU840-0500	
10 m	ELRMU840-1000	
20 m	ELRMU840-2000	
25 m	ELRMU840-2500	

**SC-MERIDIAN 2 x 2.5 mm²
Multipin NL8MP ⇔ 4 x NL4FX-SOM**

LENGTH	ORDER NO.	
1.0 m	METU-04/00-0100	
2.5 m	METU-04/00-0250	



LA-2R



NL8FC

NL8FC



NLT8FX

NLT8FX



NLT8FX-BAG

NLT8FX-BAG



Comes with a transparent code ring for your personal labelling!

Speaker Systems ▶ Multipin NEUTRIK SPEAKON NL8 ▶ **ADAPTER**

DESCRIPTION	ORDER NO.
1 Speakon 8 female ↔ Speakon 8 female	NL8MM
2 2 x Speakon NL4MP SPLIT ↔ 1 x NL4FX-SOM	SPY-N124
3 2 x Speakon NL4MP PARALLEL ↔ 1 x NL4FX-SOM	SPY-N153
4 2 x Speakon NL4MP ↔ 1 x Speakon NL4MP CHANGER	SPY-N188
5 2 x Speakon NL4MP PARALLEL ↔ 2 x Speakon NL4MP PARALLEL	SPY-N276
3 x Speakon NL4MP PARALLEL ↔ 1 x NL4MP CHANGER	SPY-N199 <small>NEW!</small>
2 x Speakon NL4MP PARALLEL + 1 x NL4MP CHANGER ↔ 1 x NL4FX-SOM	SPY-N201 <small>NEW!</small>



Speaker System ▶ Multipin NEUTRIK SPEAKON LK8 ▶ **CABLE SOLUTIONS WITH GLANDMASTER SPLICE ADAPTER**

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X = 240 cm/7.9 ft., **Y** = 250 cm/8.2 ft., **Z** = 260 cm/8.5 ft.

Please note that the **LENGTH** specification in the order code determines the section between main plug and GLANDMASTER; the splice length will then be added to this.

Order example: GLQ9-825**D**0300

(△ overall length = 300 cm/10 ft.; extra splice length (F) = 40 cm/1.3 ft.)



1 ELEPHANT ROBUST SPM825 8 x 2.5 mm² NEUTRIK SPEAKON 8-pole female NL8FC ↔ Splice with NEUTRIK SPEAKON

SPLICE VERSION (Connector / cable, splice length)	ORDER NO. LENGTH (Please append multicore length in cm to ORDER NO.)
a 4 x NL2FX-SOM / MERIDIAN SP225 (40 cm)	GLBI-825 D LENGTH
b 2 x NLT4FX-BAG / ELEPHANT SPM425 (40 cm)	GLQ9-825 D LENGTH
c 2 x NL4FX-SOM / ELEPHANT SPM425 (40 cm)	GLQ7-825 D LENGTH



2 ELEPHANT ROBUST SPM840 8 x 4.0 mm² NEUTRIK SPEAKON 8-pole female NLT8FX-BAG ↔ Splice with NEUTRIK SPEAKON

SPLICE VERSION (Connector / cable, splice length)	ORDER NO. LENGTH (Please append multicore length in cm to ORDER NO.)
a 4 x NL2FX-SOM / MERIDIAN SP240 (40 cm)	GL0D-840 D LENGTH
b 2 x NLT4FX-BAG / ELEPHANT SPM440 (40 cm)	GL0N-840 D LENGTH
c 2 x NL4FX-SOM / ELEPHANT SPM440 (40 cm)	GL0M-840 D LENGTH



3 ELEPHANT ROBUST SPM840 8 x 4.0 mm² NEUTRIK SPEAKON 8-pole male NLT8MX-BAG ↔ Splice with NEUTRIK SPEAKON

SPLICE VERSION (Connector / cable, splice length)	ORDER NO. LENGTH (Please append multicore length in cm to ORDER NO.)
a 4 x NL2FX-SOM / MERIDIAN SP240 (20 cm)	GLQ0-840 B LENGTH
b 2 x NLT4FX-BAG / ELEPHANT SPM440 (20 cm)	GL5R-840 B LENGTH
c 2 x NL4FX-SOM / ELEPHANT SPM440 (20 cm)	GL2G-840 B LENGTH



Patch field systems

CONNECTION PANELS MEDIA TECHNOLOGY 19" – STEEL PANEL 1.2 mm/0.05"

SOMMER CABLE connection panels are custom-optimized for media production use. The 1.2 mm/0.05" sheet steel plates are powder-coated in black and are rigid. All connection panels are supplied with a pre-installed strain relief clip (ZEPB).

Numbering can be added with NSPB numbered strips or with universal lettering on the P19-BS09 self-adhesive label strip or the ZSPB magnetic label strip.

XLR-connection panels HICON, gold-plated contacts

ORDER NO.	VERSION	HEIGHT
NX1X-M00/08	8 x XLR male	1 U
NX1X-M00/12	12 x XLR male	1 U
NX1X-M00/16	16 x XLR male	1 U
NX1X-M00/24	24 x XLR male	2 U
NX1X-M00/32	32 x XLR male	2 U
NX1X-M08/00	8 x XLR female	1 U
NX1X-M12/00	12 x XLR female	1 U
NX1X-M16/00	16 x XLR female	1 U
NX1X-M24/00	24 x XLR female	2 U
NX1X-M32/00	32 x XLR female	2 U
NX1X-M08/08	8 x XLR male + 8 x XLR female	1 U
NX1X-M12/12	12 x XLR female + 12 x XLR female	2 U



x01107

**XLR-connection panels NEUTRIK, silver-plated contacts**

ORDER NO.	VERSION	HEIGHT
NXPO-M00/08	8 x XLR male	1 U
NXPO-M00/12	12 x XLR male	1 U
NXPO-M00/16	16 x XLR male	1 U
NXPO-M00/24	24 x XLR male	2 U
NXPO-M00/32	32 x XLR male	2 U
NXPO-M08/00	8 x XLR female	1 U
NXPO-M12/00	12 x XLR female	1 U
NXPO-M16/00	16 x XLR female	1 U
NXPO-M24/00	24 x XLR female	2 U
NXPO-M32/00	32 x XLR female	2 U
NXPO-M08/08	8 x XLR male + 8 x XLR female	1 U
NXPO-M12/12	12 x XLR female + 12 x XLR female	2 U



x01108

**BNC-connection panels HICON, patch-sockets**

ORDER NO.	VERSION	HEIGHT
NB86-M16/00	16 x BNC female	1 U
NB86-M32/00	32 x BNC female	2 U



x01109

**HDTV BNC-connection panel HICON HDTV, patch-sockets**

ORDER NO.	VERSION	HEIGHT
NB9Y-M16/00	16 x BNC HDTV female	1 U
NB9Y-M32/00	32 x BNC HDTV female	2 U



x01110

**Magnetic labeling strips**

ORDER NO.
ZSPB



x01111

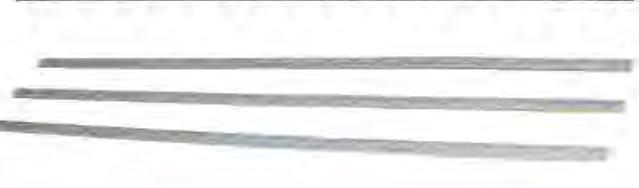


Universal labeling strips with adhesive surface 443 mm for paper strips 9 mm high. Overall height incl. carrier is 11 mm. (Paper strips not included with product.)

ORDER NO.	HEIGHT
P19-BS09	9 mm



x01112

**Numbered strips**

ORDER NO.	VERSION
NSPB	numbers 1 - 32



x01113



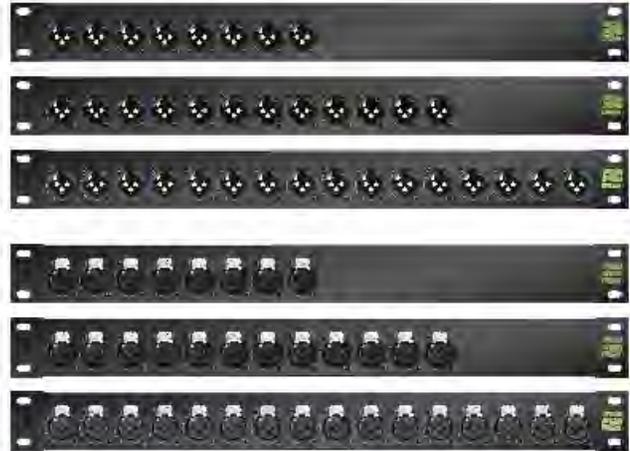
Patch Panel Systems ▶ **19" BROADCAST PATCH PANELS – ALUMINUM 4 mm/0.16"**

The **SOMMER CABLE** aluminum patch panels are optimized for the broadcasting sector. The 4.0 mm/0.16" aluminum panels have a distinguished anodized finish and are very rigid due to stainless-steel reinforcement in back. All patch panels are supplied with a pre-installed strain relief clamp (ZEPB). For numbering purposes we

have already installed our SYPS lettering profile. This can be labelled either with 7 mm/0.276" paper label strips (don't forget to order SYPK plastic strips) or 6 mm/0.236" adhesive strips.

XLR patch panels HICON, metal version, gold-plated contacts

ORDER NO.	CONFIGURATION	HEIGHT
NQ1X-M00/08	8 x XLR male	1 U
NQ1X-M00/12	12 x XLR male	1 U
NQ1X-M00/16	16 x XLR male	1 U
NQ1X-M08/00	8 x XLR female	1 U
NQ1X-M12/00	12 x XLR female	1 U
NQ1X-M16/00	16 x XLR female	1 U
NQ1X-M08/08	8 x XLR male + 8 x XLR female	1 U



XLR patch panels NEUTRIK, silver-plated contacts

ORDER NO.	CONFIGURATION	HEIGHT
NQPO-M00/08	8 x XLR male	1 U
NQPO-M00/12	12 x XLR male	1 U
NQPO-M00/16	16 x XLR male	1 U
NQPO-M08/00	8 x XLR female	1 U
NQPO-M12/00	12 x XLR female	1 U
NQPO-M16/00	16 x XLR female	1 U
NQPO-M08/08	8 x XLR male + 8 x XLR female	1 U



XLR patch panels NEUTRIK, gold-plated contacts

ORDER NO.	CONFIGURATION	HEIGHT
NQ0Y-M00/08	8 x XLR male	1 U
NQ0Y-M00/12	12 x XLR male	1 U
NQ0Y-M00/16	16 x XLR male	1 U
NQ0Y-M08/00	8 x XLR female	1 U
NQ0Y-M12/00	12 x XLR female	1 U
NQ0Y-M16/00	16 x XLR female	1 U
NQ0Y-M08/08	8 x XLR male + 8 x XLR female	1 U



BNC patch panels HICON, patch socket

ORDER NO.	CONFIGURATION	HEIGHT
NQ86-B10/00	10 x BNC female	1 U
NQ86-B20/00	20 x BNC female	1 U



HDTV BNC patch panels HICON HD-SDI, patch socket

ORDER NO.	CONFIGURATION	HEIGHT
NQ9Y-B10/00	10 x BNC HD-SDI female	1 U
NQ9Y-B20/00	20 x BNC HD-SDI female	1 U



Digital Network Distribution Systems ► NETWORK PATCH PANELS, COVER PLATES AND ELECTRICAL BOXES

Plug and play...

... is the aim of every hardware designer and the desire of every user. These panels are simple to use and work like a charm.

The following components are professional grade and work well with our cable range.

19" PATCH PANELS

24 fully shielded RJ45 sockets, 8-pin LSA + IDC, 19" - 1 U fully shielded sheet steel body, TIA 568A/B - according to ISO/EIC 11801 and EN50173 standards.

ORDER NO. VERSION

PP-CAT6-24/19 CAT.6, 250 MHz

PP-CAT6A-24/19 CAT.6a,
500 MHz,
10 Gbit
downward compatible with CAT.5e and CAT.6



x01119

**COVER PLATES AND ELECTRICAL BOXES**

For European 80mm x 80mm x 40 mm installation ducts and underfloor systems, angular outlet, color: RAL 9010

ORDER NO. VERSION

1 CAT5-UP2-WS European-size Ethernet duplex wall jack
CAT.5e, IDC connection,
suitable surface-mount frame: SWAP-1

2 CAT6A-UP2-WS European-size Ethernet duplex wall jack
CAT.6a, IDC connection,
suitable surface-mount frame: SWAP-1



3 W50W-4465 Adapter frame, Internal dimension: 50 x 50 mm,
External dimension: 55 x 55 mm

4 W55KW-SR-1 Switch frame, 1-gang 55 x 55 mm

5 SWAP-1 Surface-mount frame, 80 x 80 x 40 mm
suitable for cavity wall sockets Ø 68 mm



x01120



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KEYSTONE JACK SNAP-IN FRAMES**ORDER NO. VERSION**

6 KST-FRAME24/19 19" Keystone patch panel, 1 U, for flush
mount, incl. cable strain relief (undoable), for
24 Keystone snap-in jacks (ships empty)

7 KST-ALU24/19 19" Keystone patch panel, aluminum for
24 Keystone snap-in jacks

8 KST-FRAME09/FL Device cup insert for 9 Keystone modular snap-
in jacks from Ackermann

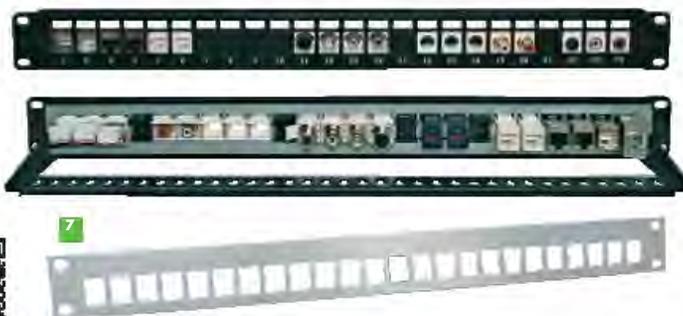
9 KST-FRAME06/FL Device cup insert for 6 Keystone modular snap-
in jacks from Ackermann

10 KST-UP02 European duplex plate, unloaded, for 2
Keystone modular snap-in jacks



x01121

6 Equipping example:



7

KEYSTONE KEystone SNAP-IN JACK**ORDER NO. VERSION**

11 KST-RJ45C5-P CAT.5e Keystone snap-in jack RJ45 fem. ↔
RJ45 fem., fully shielded

12 KST-RJ45C6-P CAT.6 Keystone snap-in jack RJ45 fem.
↔ RJ45 fem., fully shielded

13 KST-RJ45C6A-P CAT.6a Keystone snap-in jack
RJ45 fem. ↔ RJ45 fem., fully shielded



14 KST-RJ45C6-P-90 CAT.6 Keystone snap-in jack
RJ45 fem. ↔ RJ45 fem., fully shielded,
90° angled

15 RJ45CFXL RJ45 CAT.5/CAT.6/CAT.7 ONESIZE LSA jack,
all-metal housing in Keystone format; for CAT
lines AWG 26-22, max. Ø 8.0 mm

16 KST-UTPC6-P ISDN Keystone snap-in jack, CAT.6, downward
compatible RJ45 fem. ↔ RJ45 fem.,
unshielded



x01122



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More Keystone connectors are shown in the "Connectors" chapter.