

# HICON<sup>®</sup>

## CONNECTORS

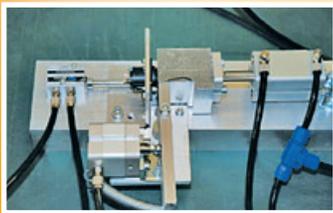
**HICON** is a German company which produces high-quality connectors and components in Germany, other European countries and Taiwan.

**HICON** is regarded as being very innovative, and the company produces complex custom solutions for the media technology sector.

**HICON** offers a huge variety of high-quality connectors at fair prices. **HICON** connectors are well known for their high number of mating cycles and easy handling. This is why they are already used in countless TV and broadcasting stations.

To ensure long-lasting and dependable quality, the number of mating cycles are mechanically tested

with a machine custom-made by **SOMMER-TECHNIK**.



Comes with a clear ring that can display your custom labelling.



**We offer a 5-year warranty on HICON connectors!**

When buying connectors, it's always important to purchase a quality brand, because the contacts of inferior connectors often have high impedances, thereby diminishing or negating the benefits of a good cable.

#### Key features to look for:

- A **proper gold-plating or coating** (cheap connectors often have only a gold-colored lacquer finish!)
- **Solid pins** with no gaps due to rivets, pressing, etc.
- Low contact-resistance

**HICON** connectors are designed by specialized connector professionals, collaborating with experienced **SOMMER CABLE** team members on hand to help.



For more information please visit

[www.hicon-connectors.com](http://www.hicon-connectors.com)  
[www.hicon-hifi.com](http://www.hicon-hifi.com)

The **HICON XLR connectors (Mark II)** employ a modern and slimmer design to offer some clever technical details. The most prominent visible feature of this connector is the new number of grips on the side (now 3 instead of 5).

A guiding groove helps prevent unwanted tilting of the inlet, thereby speeding up cable assembly. A second guiding groove on the housing prevents the numbered code rings (available as an option) from slipping.

The reinforced strain relief provides greater stability, having been made 15% stronger in the new version. If your cable is of a smaller gauge, you have the option of ordering an alternative strain relief for cables with a diameter under 3.6 mm (0.124") for a tighter grip. This strain relief is especially beneficial in the assembly of multipair fanouts.



Effective immediately, **HICON** is delivering a new, **extremely robust plug shell**. The shell is made of metal, the connector has a reliable chuck-type strain relief and can handle gauges of up to AWG22. The sturdy sleeve protection can be fitted with color-coded rings.

Of course we also offer these connectors in ready-made cable versions as part of the corresponding rugged **SOMMER CABLE** network wiring.



**Let there be light...**

The R&D team also did a great job when it comes to optical fiber. The brand-new **HICON HI-FIBER connector** fits on all common fiber-optic cables. With some practice and our toolbox you can even carry out a repair yourself on site in case of an emergency.

Our road-proof **HICON HI-FIBER connection system** is based on four LC-style fiber-optic lines which are protected by a robust, compact metal housing. It consists of a connector and a panel socket in the compact D-shape format, which can also be used as an universal cable extension cascading coupler.



Via the socket you can also link the **HICON HI-FIBER system** with a maximum of four conventional LC cables (or alternatively two LC-Duplex lines) and connect them to existing LC systems – simply plug in LC and you're done!

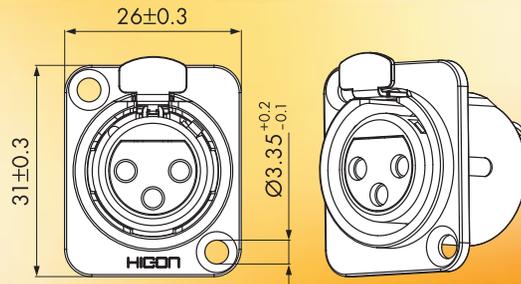
The **HICON HI-FIBER4-MC connector** can be fitted with up to four LC connectors which are assembled and pushed into the quad fixture after inserting the cable. The protective cap and a spring-loaded protection sleeve will keep the sensitive fiber system safe from dirt and damages.

More information can be found on the following pages ("HICON Connectors") or under [www.sommercable.com](http://www.sommercable.com) or [www.hicon-connectors.com](http://www.hicon-connectors.com)



The **XLR cable and panel-mount sockets** have a special spring made of a hardened material to guarantee a great number of mating cycles.

With the **HICON MKII** series the pins are silver-plated for faster and easier soldering.



**TRICONE XXL – The innovation from HICON!**

**HICON's** new connector system with solder-free installation was greeted with much applause! It's gas-free, without any significant contact surface resistance, and features double hexagonal crimping strain relief. With an unbelievable **230 Newtons** of force, the **strain relief forces** of this cable/connector combination are far stronger than other cable connections.



**GAS FREE CONNECTION**

Effective immediately, the **TRICONE XXL phone plug** is also available for **solder-free DIY assembly!**

Simply strip off 3 to 4 mm / 0.118" to 0.157" of the outer jacket, fold back the screen, cut off the carbon screen and push it in up to the stop, tighten firmly – done!



- Gold-plated tip
- Wrench size 8
- Pin for inner conductor
- Groove for HI-UC color-coding rings
- Clamping sleeve for screen contact
- Trumpet strain relief





CONNECTORS



x00222



1



2

**3-pole XLR BASIC, silver-plated contacts**

Nickel-plated metal shell  
Black plastic cap  
**with transparent ring for your individual labelling.**  
3-chuck collet strain relief for cable Ø 3.5 to 7.0 mm



Comes with a clear ring that can display your custom labelling.

**DESCRIPTION**

- 1 3-pole male. Machined, silver-plated contacts
- 2 3-pole female. Silver-plated contacts

**ORDER NO. male**

**HI-X3CM-V**

–

**ORDER NO. female**

–

**HI-X3CF-V**



x00223



3



4

**3-pole XLR BASIC, silver-plated contacts**

Black metal shell, non-conductive surface  
Black plastic cap  
**with transparent ring for your individual labelling.**  
3-chuck collet strain relief for cable Ø 3.5 to 7.0 mm



Comes with a clear ring that can display your custom labelling.

**DESCRIPTION**

- 3 3-pole male. Machined, silver-plated contacts
- 4 3-pole female. Silver-plated contacts

**ORDER NO. male**

**HI-X3CM-BLK**

–

**ORDER NO. female**

–

**HI-X3CF-BLK**



x00224



5



6

**3-pole XLR, silver-plated contacts**

Black metal housing, **90° angled** (insert non-rotatable).  
For cable Ø 6.0 to 8.0 mm.  
With dual strain relief and replacement screw.

**DESCRIPTION**

- 5 3-pole male. Machined, silver-plated contacts
- 6 3-pole female. Silver-plated contacts

**ORDER NO. male**

**HI-X3RM-M**

–

**ORDER NO. female**

–

**HI-X3RF-M**

HICON ▶ Audio ▶ **HICON XLR CABLE CONNECTORS**



The **HICON** connectors are very well received in the audio and industry sector. Our customers value the straightforward design, the high quality and the fair pricing structure.

The "Designed in Germany" XLR connectors of the **PRO** series, the **HI-XCM3** and **HI-XCF3**, are very robust, exceedingly well crafted, have a reliable 6-jaw chuck strain relief and are quick and very easy to solder.

The standard strain relief (for cable Ø from 4.0 mm to 8.5 mm / 0.157" to 0.335") offers important benefits over other systems:

- The strain relief force is about twice as high as in conventional systems, yet the cable is still being protected!
- Even with large cable diameters the force of the chuck jaws is spread over a large area, whereas with other connectors the soft PVC of the microphone cable is often squeezed out at the side.

For cable diameters < 4 mm / 0.157" please order the **HI-XSR40** strain relief accessory.

The **HI-X3CM-G** and **HI-X3CF-G** versions come with both strain reliefs to handle any cables with a diameter from 2.0 mm to 8.5 mm

(0.079" to 0.335"). The inclusion of both gives you added flexibility for assembling any needed cables on site during an installation.

New to our product line are the economically priced, very compact **BASIC** versions **HI-X3CM-V** and **HI-X3CF-V** for the assembly of budget audio cables, featuring a standard 3-jaw chuck strain relief, nickel-plated or black, non-conductive metal shell, a tough plastic cap and a transparent ring for subsequent labelling.

**We offer you a 5-year warranty on HICON XLR connectors.**

A variety of XLR adapters can be found on the following pages under "Audio Adapters"!

**HICON BASIC standard strain relief systems**



**HICON PRO strain relief**



**TOP SELLER**

**3-pole XLR PRO, silver-plated contacts**

Metal housing matt silver finish (velvet chrome), black plastic cap **with transparent ring for your individual labelling.** 6-jaw chuck strain relief for cable Ø 4.0 to 8.5 mm.



Comes with a clear ring that can display your custom labelling.

DESCRIPTION	
1	3-pole male. Machined, silver-plated contacts
2	3-pole female. Silver-plated contacts

ORDER NO. male	ORDER NO. female
<b>HI-X3CM</b>	-
-	<b>HI-X3CF</b>



x00225



**3-pole XLR PRO, silver-plated contacts**

Black metal housing. 6-jaw chuck strain relief for cable Ø 4.0 to 8.5 mm.



Comes with a clear ring that can display your custom labelling.

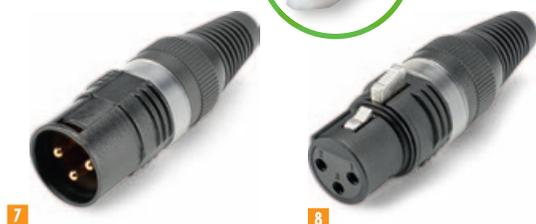
DESCRIPTION	
3	3-pole male. Machined, silver-plated contacts, <b>Black plastic cap</b>
4	3-pole female. Silver-plated contacts, <b>Black plastic cap</b>
5	3-pole male. Machined, silver-plated contacts, <b>Black metal cap</b>
6	3-pole female. Silver-plated contacts, <b>Black metal cap</b>

ORDER NO. male	ORDER NO. female
<b>HI-X3CM-B</b>	-
-	<b>HI-X3CF-B</b>
<b>HI-X3CM-M</b>	-
-	<b>HI-X3CF-M</b>



x00226

Incl. strain relief HI-XSR40 for cable Ø 2.0 to 5.0 mm



**3-pole XLR PRO, gold-plated contacts**

Metal housing and black metal cap. 6-jaw chuck strain relief for cable Ø 4.0 to 8.5 mm plus extra strain relief HI-XSR40 for cable Ø 2.0 to 5.0 mm.



Comes with a clear ring that can display your custom labelling.

DESCRIPTION	
7	3-pole male. Machined, gold-plated contacts
8	3-pole female. Gold-plated contacts

ORDER NO. male	ORDER NO. female
<b>HI-X3CM-G</b>	-
-	<b>HI-X3CF-G</b>



x00227

CONNECTORS

HICON ▶ Audio ▶ **HICON XLR CABLE CONNECTORS**



1



2



x00228

**4-pole XLR PRO, gold-plated contacts**

Black metal housing, black metal cap.  
With 6-jaw chuck strain relief  
For cable Ø 4.0 to 8.5 mm.



Comes with a clear ring that can display your custom labelling.

**DESCRIPTION**

- 1 4-pole male. Machined, gold-plated contacts
- 2 4-pole female. Gold-plated contacts

**ORDER NO. male**

**HI-X4CM-G**

**ORDER NO. female**

–

–

**HI-X4CF-G**



3



4



x00229

**5-pole XLR PRO, silver-plated contacts**

Black metal housing.  
With 6-jaw chuck strain relief  
Standard strain relief for cable Ø 4.0 to 8.5 mm.



Comes with a clear ring that can display your custom labelling.

**DESCRIPTION**

- 3 5-pole male. Machined, silver-plated contacts, **Black plastic cap**
- 4 5-pole female. Silver-plated contacts, **Black plastic cap**
- 5 5-pole male. Machined, silver-plated contacts, **Black metal cap**
- 6 5-pole female. Silver-plated contacts, **Black metal cap**

**ORDER NO. male**

**HI-X5CM-B**

**ORDER NO. female**

–

–

**HI-X5CF-B**

–

–

**HI-X5CM-M**

–

–

–

**HI-X5CF-M**



5



6



7



8



x00230

**5-pole XLR PRO, gold-plated contacts**

Black metal housing, black metal cap.  
With 6-jaw chuck strain relief  
For cable Ø 4.0 to 8.5 mm.



Comes with a clear ring that can display your custom labelling.

**DESCRIPTION**

- 7 5-pole male. Machined, gold-plated contacts
- 8 5-pole female. Gold-plated contacts

**ORDER NO. male**

**HI-X5CM-G**

**ORDER NO. female**

–

–

**HI-X5CF-G**

CONNECTORS



HICON ▶ Audio ▶ **HICON XLR connector HI-MARLIN**, splash- and dustproof IP67\*

*A true all-rounder...*

... is the ergonomic **HI-MARLIN XLR** connector from **HI-HICON**.

These **HICON HI-MARLIN XLR** connectors, which are splashproof and dustproof according to IP67\*, repel a direct water jet or infiltrating moisture, and can be submerged in water without compromising function.

Many professional audio cables feature a gas-injected foam insulation, which is why standard chuck strain reliefs will often crush the delicate wire insulation, thereby affecting the electrical values. The lamellar seal with an internal rubber grommet offers the perfect solution. The pressure of the strain relief is evenly spread over the cable diameter and squeezes no dents into the jacket and insulation material. The locking technology is very



convenient and extremely durable. It has no long spring travels and sits in the locking knob instead of the contact base, as is usually the case. This guarantees an easy and fuss-free installation or cable assembly.

These connectors are saltwater and UV-resistant and loyal companions in particularly wet conditions such as installation in amusement parks, near the coast, in the shipbuilding industry, with outdoor festivities like Christmas markets, state or county fairs, skiing events, under sediment, etc.

**Available in 3- and 5-pole versions , including as part of pre-assembled waterproof microphone cables or AES/EBU cables.** See chapter "Ready-made Cables".

**APPLICATIONS**

- Installation at outdoor events, in shipbuilding, skiing events, etc.
- Permanent connections in coastal areas

**PRODUCT ADVANTAGES**

- No infiltration of water, dirt, moisture, or sand
- Impervious to water and dust according to IP67\*
- Efficient handling, grips well, plugs and unplugs smoothly
- AES/EBU compliant (no contact vibration)
- Strain relief is especially protective of the cable
- High number of mating cycles due to the smart design of its zero-wear locking mechanism
- Fast and easy cable assembly



**XLR, waterproof and dustproof IP67\* , silver-plated contacts**

Nickel-plated metal housing, nickel-plated metal cap, 3-pole or 5-pole. Standard strain relief for cable Ø 4.6 to 6.5 mm

DESCRIPTION	ORDER NO. male	ORDER NO. female
1 3-pole male. Machined, silver-plated contacts	<b>HI-X3CM-HD</b>	-
2 3-pole female. Silver-plated contacts	-	<b>HI-X3CF-HD</b>
3 5-pole male. Machined, silver-plated contacts	<b>HI-X5CM-HD</b>	-
4 5-pole female. Silver-plated contacts	-	<b>HI-X5CF-HD</b>



**XLR, waterproof and dustproof IP67\* , gold-plated contacts**

Black metal housing, black metal cap, 3-pole or 5-pole. Standard strain relief for cable Ø 4.6 to 6.5 mm

DESCRIPTION	ORDER NO. male	ORDER NO. female
5 3-pole male. Machined, gold-plated contacts	<b>HI-X3CM-HD-B</b>	-
6 3-pole female. Gold-plated contacts	-	<b>HI-X3CF-HD-B</b>
7 5-pole male. Machined, gold-plated contacts	<b>HI-X5CM-HD-B</b>	-
8 5-pole female. Gold-plated contacts	-	<b>HI-X5CF-HD-B</b>



All versions ship with protective cap

**XLR, waterproof and dust-protected IP67\* , gold-plated contacts**

D-type metal shell, black, with rubber gasket and protective cap, 3-pole or 5-pole.

DESCRIPTION	ORDER NO. male	ORDER NO. female
9 3-pole male. Gold-plated contacts, IP67*	<b>HI-X3DM-HD-B</b>	-
10 3-pole female. Gold-plated contacts, IP54*	-	<b>HI-X3DF-HD-B</b>
11 5-pole male. Gold-plated contacts, IP67* <b>NEW!</b>	<b>HI-X5DM-HD-B</b>	-
12 5-pole female. Gold-plated contacts, IP54 <b>NEW!</b>	-	<b>HI-X5DF-HD-B</b>



\* when plugged

HICON ▶ Audio ▶ **XLR CABLE CONNECTORS/ACCESSORIES**



CONNECTORS



**Protective cap with loop for attaching to cable**  
 Protects against dirt and dust,  
 suitable for all XLR connectors from HICON and NEUTRIK  
 Material: thermoplastic rubber (TPR)

x00233

DESCRIPTION	ORDER NO.
Protective cap	<b>CAP-19MM</b>



**Strain relief for HICON XLR, straight type**  
 For cable Ø 2.0 – 5.0 mm.

x00234

DESCRIPTION	ORDER NO.
Optional strain relief	<b>HI-XSR40</b>



**Metal cap for all XLR connectors from HICON**  
 (Not suitable for HI-MARLIN connectors)

**NEW!**

x01466

COLOR	ORDER NO.	COLOR	ORDER NO.
Brown	<b>HI-XCAP1</b>	Blue	<b>HI-XCAP6</b>
Red	<b>HI-XCAP2</b>	Violet	<b>HI-XCAP7</b>
Orange	<b>HI-XCAP3</b>	Grey	<b>HI-XCAP8</b>
Yellow	<b>HI-XCAP4</b>	White	<b>HI-XCAP9</b>
Green	<b>HI-XCAP5</b>		



**Silicone color-coding rings, elastic**  
 For all HICON connectors with knurled housing.  
**10-pack**, multiple color coding (resistance code) also possible.  
 Not suitable for post-assembly mounting.

x00235

COLOR	ORDER NO.
Red	<b>HI-UC-RT</b>
Yellow	<b>HI-UC-GE</b>
Green	<b>HI-UC-GN</b>
Blue	<b>HI-UC-BL</b>
White	<b>HI-UC-WS</b>



**Color code rings for HICON XLR, straight type**

x00236

COLOR	ORDER NO. per pc.	COLOR	ORDER NO. per pc.
Red	<b>HI-XC-RT</b>	Black	<b>HI-XC-SW</b>
Orange	<b>HI-XC-OR</b>	Brown	<b>HI-XC-BR</b>
Yellow	<b>HI-XC-GE</b>	Grey	<b>HI-XC-GR</b>
Green	<b>HI-XC-GN</b>	White	<b>HI-XC-WS</b>
Blue	<b>HI-XC-BL</b>	Transparent	<b>HI-XC-TR</b>
Violet	<b>HI-XC-VI</b>		



**Numbered rings, anti-twist, half wide**  
**10-pack**, for HICON XLR, straight type.  
 Ideal for channel labelling max. 48 in / 16 out systems

x00237

COLOR	OVERPRINT	ORDER NO. 10-pack
White	10 rings, one ring each with numbers "0" – "9"	<b>HI-XC-09-WS</b>
White	10 rings with number "0"	<b>HI-XC-00-WS</b>
White	10 rings with number "1"	<b>HI-XC-10-WS</b>
White	10 rings with number "2"	<b>HI-XC-20-WS</b>
White	10 rings with number "3"	<b>HI-XC-30-WS</b>
White	10 rings with number "4"	<b>HI-XC-40-WS</b>
Red	10 rings, one ring each with numbers "0" – "9"	<b>HI-XC-09-RT</b>
Red	5 rings with number "0", 5 rings with number "1"	<b>HI-XC-05-RT</b>

HICON ▶ Audio ▶ **XLR PANEL CONNECTORS**



**3-pole XLR, nickel-plated contacts**  
Nickel-plated metal housing.  
Universal D flange.

**SYS BOXX** **D**

DESCRIPTION	ORDER NO. male	ORDER NO. female
1 3-pole male. Machined, nickel-plated contacts	HI-X3DM	-
2 3-pole female. Nickel-plated contacts	-	HI-X3DF

ORDER NO. male	ORDER NO. female
HI-X3DM	-
-	HI-X3DF



**3-pole XLR, silver-plated contacts**  
Black metal housing.  
Universal D flange.

**SYS BOXX** **D**

DESCRIPTION	ORDER NO. male	ORDER NO. female
3 3-pole male. Machined, silver-plated contacts	HI-X3DM-M	-
4 3-pole female. Silver-plated contacts	-	HI-X3DF-M
5 3-pole male. Machined, silver-plated contacts, <b>M3 thread, ideal for rear mounting</b>	HI-X3DM-M3	-
6 3-pole female. Silver-plated contacts, <b>M3 thread, ideal for rear mounting</b>	-	HI-X3DF-M3

ORDER NO. male	ORDER NO. female
HI-X3DM-M	-
-	HI-X3DF-M
HI-X3DM-M3	-
-	HI-X3DF-M3



**3-pole XLR, gold-plated contacts**  
Black metal housing.  
Universal D flange.

**SYS BOXX** **D**

DESCRIPTION	ORDER NO. male	ORDER NO. female
7 3-pole male. Machined, gold-plated contacts	HI-X3DM-G	-
8 3-pole female. Gold-plated contacts	-	HI-X3DF-G
<b>NEW!</b> 3-pole male. Machined, gold-plated contacts, <b>M3 thread, ideal for rear mounting</b>	HI-X3DM-G-M3	-
<b>NEW!</b> 3-pole female. Gold-plated contacts, <b>M3 thread, ideal for rear mounting</b>	-	HI-X3DF-G-M3

ORDER NO. male	ORDER NO. female
HI-X3DM-G	-
-	HI-X3DF-G
HI-X3DM-G-M3	-
-	HI-X3DF-G-M3



**3-pole XLR, silver-plated contacts**  
Black plastic housing.  
Universal D flange.

**SYS BOXX** **D**

DESCRIPTION	ORDER NO. male	ORDER NO. female
9 3-pole male. Machined, silver-plated contacts	HI-X3DM-P	-
10 3-pole female. Silver-plated contacts non-locking	-	HI-X3DF-P

ORDER NO. male	ORDER NO. female
HI-X3DM-P	-
-	HI-X3DF-P



CONNECTORS

## HICON ▶ Audio ▶ XLR PANEL CONNECTORS



x00243

**3-pole XLR, type A, PCB version, gold-plated contacts, vertical mounting, solderable**  
Black plastic housing.Dimensional drawings can be found under [www.sommecable.com](http://www.sommecable.com) on the matching product page.

DESCRIPTION	ORDER NO. male	ORDER NO. female
3 3-pole male	HI-X3AM-PV	-
4 3-pole female, with steel locking	-	HI-X3AF-PV



x00244

**XLR/phone jack combo panel socket, gold-plated solder contacts**Black plastic housing.  
For universal D flange.

DESCRIPTION	ORDER NO. male	ORDER NO. female
5 3-pole XLR/stereo phone jack. Solder type	HI-XJEF6S	-

**Matching screws for: HI-X3AM-PV, HI-X3AF-PV, HI-XJEF6S**

Cheese head:

**S-P3118**

VPE: 25 pcs.

Countersunk:

**S-P3339**

VPE: 25 pcs.



x00245

**4-pole XLR, gold-plated contacts**Black metal housing.  
Universal D flange**SYS BOXX D**

DESCRIPTION	ORDER NO. male	ORDER NO. female
6 4-pole male. Machined, gold-plated contacts	HI-X4DM-G	-
7 4-pole female. Machined, gold-plated contacts	-	HI-X4DF-G



x00246

**5-pole XLR, silver-plated contacts**Black metal housing.  
Universal D flange.**SYS BOXX D**

DESCRIPTION	ORDER NO. male	ORDER NO. female
8 5-pole male. Machined, silver-plated contacts	HI-X5DM-M	-
9 5-pole female. Silver-plated contacts	-	HI-X5DF-M
10 5-pole male. Machined, silver-plated contacts <b>M3 thread, ideal for rear mounting</b>	HI-X5DM-M3	-
11 5-pole female. Silver-plated contacts <b>M3 thread, ideal for rear mounting</b>	-	HI-X5DF-M3



x00247

**5-pole XLR, gold-plated contacts**Black metal housing.  
Universal D flange.**SYS BOXX D**

DESCRIPTION	ORDER NO. male	ORDER NO. female
12 5-pole male. Machined, gold-plated contacts	HI-X5DM-G	-
13 5-pole female. Gold-plated contacts	-	HI-X5DF-G

HICON ▶ Audio ▶ **MINI XLR CONNECTORS**



**Mini XLR compact, gold-plated contacts**  
Black metal housing.  
Max. cable diameter 5.0 mm

DESCRIPTION	ORDER NO. male	ORDER NO. female
1 & 2 3-pole. Machined, gold-plated contacts	HI-XMCM3-B	HI-XMCF3-B
5-pole. Machined, gold-plated contacts	HI-XMCM5-B	HI-XMCF5-B

ORDER NO. male	ORDER NO. female
HI-XMCM3-B	HI-XMCF3-B
HI-XMCM5-B	HI-XMCF5-B



x01444

**NEW!**



**Mini XLR, gold-plated contacts**  
Nickel-plated metal housing.  
Max. cable diameter 3.2 mm

DESCRIPTION	ORDER NO. male	ORDER NO. female
3 3-pole male. Machined, gold-plated contacts	HI-XMCM3	-
4 3-pole female. Gold-plated contacts	-	HI-XMCF3
5 4-pole male. Machined, gold-plated contacts	HI-XMCM4	-
6 4-pole female. Gold-plated contacts	-	HI-XMCF4
7 5-pole male. Machined, gold-plated contacts	HI-XMCM5	-
8 5-pole female. Gold-plated contacts	-	HI-XMCF5

ORDER NO. male	ORDER NO. female
HI-XMCM3	-
HI-XMCM4	-
HI-XMCM5	-



x00252



**Mini XLR, gold-plated contacts**  
Nickel-plated metal housing, outside thread Ø 10.9 mm.

DESCRIPTION	ORDER NO. male	ORDER NO. female
9 3-pole male. Machined, gold-plated contacts	HI-XMEM3	-
10 3-pole male. Machined, gold-plated contacts, <b>Universal D flange</b>	HI-XMDM3 	-
11 4-pole male. Machined, gold-plated contacts	HI-XMEM4	-
12 4-pole male. Machined, gold-plated contacts, <b>Universal D flange</b>	HI-XMDM4 	-
13 5-pole male. Machined, gold-plated contacts	HI-XMEM5	-
5-pole male. Machined, gold-plated contacts, <b>Universal D flange</b>	HI-XMDM5 	-

ORDER NO. male	ORDER NO. female
HI-XMEM3	-
HI-XMEM4	-
HI-XMEM5	-



x00255



**Mini XLR, gold-plated contacts**  
Nickel-plated metal housing.  
Hole cutout 17.1 x 11.4 mm (Ø 2.8 mm). Flange 24.4 x 18.8 mm (H x W).

DESCRIPTION	ORDER NO. male	ORDER NO. female
14 3-pole female. Gold-plated contacts	-	HI-XMEF3
15 4-pole female. Gold-plated contacts	-	HI-XMEF4
16 5-pole female. Gold-plated contacts	-	HI-XMEF5

ORDER NO. male	ORDER NO. female
-	HI-XMEF3
-	HI-XMEF4
-	HI-XMEF5



x00256

CONNECTORS

HICON ▶ Audio ▶ **MINI XLR CONNECTORS IP67\*****IP67 EXTRA ROBUST**

For the most demanding professional applications!

**Mini XLR, waterproof and dustproof IP67\***Steel housing with locking ring, **nickel-plated**  
Max. cable Ø 4.9 mmMatching sleeve protection  
HI-KS38, see following pages

x00258

DESCRIPTION	ORDER NO. male	ORDER NO. female
1 3-pole male. Machined, gold-plated contacts	HI-XMCM3-HD	-
2 3-pole female. Gold-plated contacts	-	HI-XMCF3-HD
3 4-pole male. Machined, gold-plated contacts	HI-XMCM4-HD	-
4 4-pole female. Gold-plated contacts	-	HI-XMCF4-HD
5 5-pole male. Machined, gold-plated contacts	HI-XMCM5-HD	-
6 5-pole female. Gold-plated contacts	-	HI-XMCF5-HD

**IP67 EXTRA ROBUST**

For the most demanding professional applications!

**Mini XLR, waterproof and dustproof IP67\***Steel housing with locking ring, **black**  
Max. cable Ø 4.9 mmMatching sleeve protection  
HI-KS38, see following pages

x00261

DESCRIPTION	ORDER NO. male	ORDER NO. female
7 3-pole male. Machined, gold-plated contacts	HI-XMCM3-HD-B	-
8 3-pole female. Gold-plated contacts	-	HI-XMCF3-HD-B
9 4-pole male. Machined, gold-plated contacts	HI-XMCM4-HD-B	-
10 4-pole female. Gold-plated contacts	-	HI-XMCF4-HD-B
11 5-pole male. Machined, gold-plated contacts	HI-XMCM5-HD-B	-
12 5-pole female. Gold-plated contacts	-	HI-XMCF5-HD-B

**IP67 EXTRA ROBUST**

For the most demanding professional applications!

**Mini panel-mount XLR, waterproof and dustproof IP67\***Steel housing, **nickel-plated**, male thread Ø 10.9 mm

x00263

DESCRIPTION	ORDER NO. male	ORDER NO. female
13 3-pole male. Machined, gold-plated contacts	HI-XMEM3-HD	-
14 3-pole female. Gold-plated contacts	-	HI-XMEF3-HD
15 4-pole male. Machined, gold-plated contacts	HI-XMEM4-HD	-
16 4-pole female. Gold-plated contacts	-	HI-XMEF4-HD
17 5-pole male. Machined, gold-plated contacts	HI-XMEM5-HD	-
18 5-pole female. Gold-plated contacts	-	HI-XMEF5-HD

**IP67 EXTRA ROBUST**

For the most demanding professional applications!

**Mini panel-mount XLR, waterproof and dustproof IP67\***Steel housing, **black**, male thread Ø 10.9 mm

x00265

DESCRIPTION	ORDER NO. male	ORDER NO. female
19 3-pole male. Machined, gold-plated contacts	HI-XMEM3-HD-B	-
20 3-pole female. Gold-plated contacts	-	HI-XMEF3-HD-B
21 4-pole male. Machined, gold-plated contacts	HI-XMEM4-HD-B	-
22 4-pole female. Gold-plated contacts	-	HI-XMEF4-HD-B
23 5-pole male. Machined, gold-plated contacts	HI-XMEM5-HD-B	-
24 5-pole female. Gold-plated contacts	-	HI-XMEF5-HD-B

\* when plugged

HICON ▶ Audio ▶ **PHONE CONNECTORS**



Phone plugs have to satisfy a lot of very diverse expectations. While the guitarist prefers a heavy and robust connector, the studio technician needs a small, inconspicuous plug that won't take up too much space on densely populated patchbays.

Especially popular with guitar players is the black American-style **HICON HI-J63M04** which can easily take a fat guitar cable or a speaker cable with a large diameter.

It is fitted with a robust solid tip and sleeve, with dependable clamping strain relief.

Because of their low contact resistances **HICON HI-J63M** and **HI-J63M03** are frequently used for high-end guitar cables.

A true highlight is the **TRICONE XXL** phone plug **HI-J63TC-SM**, featuring an easy and fast solderless DIY installation, perfect for all on-site assemblies.

The new **HICON HI-J63MP-B** and **HI-J63SP-B** phone plug offers the same quality which not only makes its "big brother" **HI-J63M** or the stereo version **HI-J63S** unique, but also has a standard 3-chuck collet strain relief instead of the usual **HICON** 4-chuck type. The shell is non-conductive, the

tip is standard rather than gold-plated and instead of the metal cap we now use a robust sealing cap made of plastic.

Furthermore, the new phone plugs feature transparent rings for subsequent labelling or color coding.

**We offer a 5-year warranty on all HICON phone connectors!**

An assortment of phone connector adapters is shown on the following pages in the "Audio Adapters" section!

CONNECTORS



Comes with a clear ring that can display your custom labelling.



x00267



**6.3 mm phone plug with solid pin**  
Metal housing with black plastic cap, non-conductive surface with transparent ring for your individual labelling.  
Max. cable Ø 7.0 mm.  
For color-coded rings see next page.



DESCRIPTION	ORDER NO. mono	ORDER NO. stereo
1 2-pole male, <b>mono</b> . 6.3 mm phone plug <b>Black metal shell, non-conductive surface</b>	<b>HI-J63MP-B</b>	–
2 3-pole male, <b>stereo</b> . 6.3 mm phone plug <b>Black metal shell, non-conductive surface</b>	–	<b>HI-J63SP-B</b>
3 2-pole male, <b>mono</b> . 6.3 mm phone plug <b>Nickel-plated metal shell</b>	<b>HI-J63MP</b>	–
4 3-pole male, <b>stereo</b> . 6.3 mm phone plug <b>Nickel-plated metal shell</b>	–	<b>HI-J63SP</b>



Comes with a clear ring that can display your custom labelling.



x00269



**6.3 mm plug with twistproof solid pin with gold-plated tip**  
All-metal housing with metal cap in matt silver finish (velvet chrome) with transparent ring for your individual labelling.  
Max. cable Ø 7.8 mm.  
For color-coded rings see next page.



DESCRIPTION	ORDER NO. mono	ORDER NO. stereo
5 2-pole male, <b>mono</b> . 6.3 mm phone plug <b>Massive pin, Gold-plated pin</b>	<b>HI-J63M</b>	–
6 3-pole male, <b>stereo</b> . 6.3 mm phone plug <b>Massive pin, Gold-plated pin</b>	–	<b>HI-J63S</b>

## HICON ▶ Audio ▶ PHONE PLUGS

HICON  
CONNECTORS

TOP SELLER



Comes with a clear ring that can display your custom labelling.



x00270

**6.3 mm phone plug PRO with anti-twist pin**

Full metal housing, black.

Max. cable Ø 7.8 mm. With collet strain relief.

DESCRIPTION	ORDER NO. mono	ORDER NO. stereo
<b>1</b> 2-pole male, <b>mono</b> . 6.3 mm phone plug <b>Massive pin</b>	<b>HI-J63M03</b>	–
<b>2</b> 2-pole male, <b>mono</b> . 6.3 mm phone plug <b>Massive pin, gold-plated</b>	<b>HI-J63M03-G</b>	–
<b>3</b> 3-pole male, <b>stereo</b> . 6.3 mm phone plug <b>Massive pin</b>	–	<b>HI-J63S03</b>
<b>4</b> 3-pole male, <b>stereo</b> . 6.3 mm phone plug <b>Massive pin, gold-plated</b>	–	<b>HI-J63S03-G</b>

**5 Color-coding rings for HICON phone plugs**

x00271

DESCRIPTION	COLOR	ORDER NO.
	Red	<b>HI-JC-RT</b>
	Orange	<b>HI-JC-OR</b>
	Yellow	<b>HI-JC-GE</b>
	Green	<b>HI-JC-GN</b>
	Blue	<b>HI-JC-BL</b>
	Black	<b>HI-JC-SW</b>
	Red (double width)	<b>HI-JC-RT6</b>
	Blue (double width)	<b>HI-JC-BL6</b>
	Black (double width)	<b>HI-JC-SW6</b>
	Transparent (double width)	<b>HI-JC-TR6</b>

Designed to fit: **HI-J63MP-B, HI-J63SP-B, HI-J63M, HI-J63S, HI-J63M03, HI-J63M03-G, HI-J63S03, HI-J63S03-G.**

For a wide range of color combinations two color code rings (in single width) may be used.



x00273

**6.3 mm phone plug, gold-plated tip**

Metal housing, plastic cap, 90° angled

Max. cable Ø 8.0 mm.

DESCRIPTION	ORDER NO. mono	ORDER NO. stereo
<b>6</b> 2-pole male, <b>mono</b> . 6.3 mm phone plug <b>90° angled</b>	<b>HI-J63MA06</b>	–
<b>7</b> 3-pole male, <b>stereo</b> . 6.3 mm phone plug <b>90° angled</b>	–	<b>HI-J63SA06</b>

Matching color-coding rings:  
**HI-UC...**  
see following pages

x00275

**6.3 mm phone plug, gold-plated tip**

Black metal housing

Max. cable Ø 7.5 mm, including sleeve support max. 5.0 mm

With collet strain relief.

DESCRIPTION	ORDER NO. mono	ORDER NO. stereo
<b>8</b> 2-pole male, <b>mono</b> . 6.3 mm phone plug	<b>HI-J63M07</b>	–
<b>9</b> 2-pole male, <b>mono</b> . 6.3 mm phone plug <b>90° angled</b>	<b>HI-J63MA07</b>	–

HICON ▶ Audio ▶ PHONE PLUGS



Noisefree plugging & unplugging



Smart plug system makes switch-on noises like crackling and popping a thing of the past

**6.3 mm phone plug, solid gold-plated tip, NOISEFREE**

Black metal housing.  
Max. cable Ø 7.0 mm. With clamping strain relief.



**DESCRIPTION**

- 1 2-pole male, **mono**. 6.3 mm phone plug **NOISEFREE**
- 2 2-pole male, **mono**. 6.3 mm phone plug **90° angled, NOISEFREE**

**ORDER NO.  
mono**

**ORDER NO.  
stereo**

HI-J63M14

-

HI-J63MA14

-



x00279

CONNECTORS



These phone plugs have a collet strain relief that counter-expands under pressure (see fig.), withstanding high tensile forces, especially when used with BNC crimping pliers (for RG58/59).

**6.3 mm phone plug, gold-plated tip**

Chrome-plated metal housing.  
Max. cable Ø 6.0 mm.



**DESCRIPTION**

- 3 2-pole male, **mono**. 6.3 mm phone plug
- 4 3-pole male, **stereo**. 6.3 mm phone plug
- 5 2-pole male, **mono**. 6.3 mm phone plug **90° angled**

**ORDER NO.  
mono**

**ORDER NO.  
stereo**

HI-J63M01

-

-

HI-J63S01

HI-J63MA01

-



x00282



**Robust, compact 6.3 mm phone plug CLASSIC, solid continuous pin with gold-plated tip**

Black metal housing.  
Max. cable Ø 7.0 mm. With collet strain relief.

**DESCRIPTION**

- 6 2-pole male, **mono**. 6.3 mm phone plug
- 7 3-pole male, **stereo**. 6.3 mm phone plug
- 8 2-pole male, **mono**. 6.3 mm phone plug **90° angled**
- 9 3-pole male, **stereo**. 6.3 mm phone plug **90° angled**

**ORDER NO.  
mono**

**ORDER NO.  
stereo**

HI-J63M04

-

-

HI-J63S04

HI-J63MA04

-

-

HI-J63SA04



x00285



**6.3 mm phone plug, screw & play, solid gold-plated tip**  
**Solderless, with screw contacts**

Black metal housing  
Cable Ø 5.5 mm - 6.2 mm  
Recommended cable: **TRICONE XXL, SPIRIT XS, RG59**

**DESCRIPTION**

- 10 2-pole male, **mono**. 6.3 mm plug, screw&play **90° angled**
- 11 Suitable color-coding rings:  white  red

**NEW!**

**ORDER NO.  
mono**

**ORDER NO.  
stereo**

HI-J63MA-SM

-

HI-CSM-WS

HI-CSM-RT



x01467



HICON ▶ Audio ▶ **PHONE PLUGS**



x00290

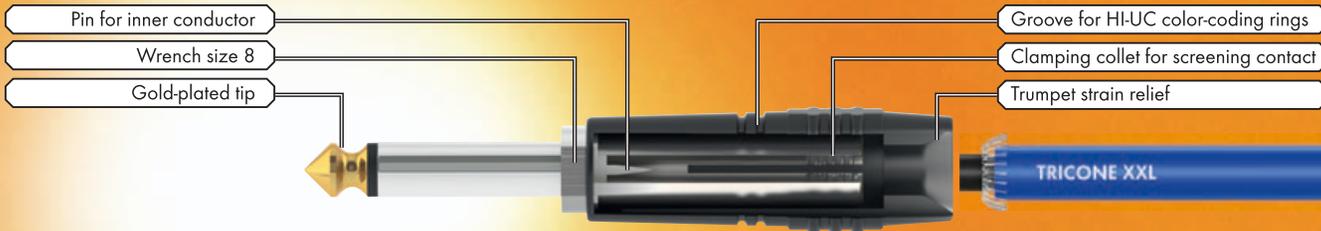


**Superflat 6.3 mm phone plug, massive sleeve with gold-plated tip, solder version**  
 Black metal housing. **90° angled**, moisture-repellent insulation  
 Cable Ø 4.0 - 6.4 mm. With clamping strain relief. Only 11.5 mm mounting height when plugged in!

DESCRIPTION	ORDER NO.
<b>1</b> 2-pole male, <b>mono</b> . 6.3 mm phone plug <b>Ideal for space-saving cabling of effects pedal boards</b>	<b>HI-J63MA05</b>
<b>2</b> 3-pole male, <b>stereo</b> . 6.3 mm phone plug	<b>HI-J63SA05</b>

CONNECTORS

HICON ▶ Audio ▶ **PHONE PLUGS TRICONE®**



**Solder-free  
DIY assembly!**

The **TRICONE® XXL** cable is available in:  
 ■ black: **ORDER NO. 300-0271**  
 ■ blue: **ORDER NO. 300-0272**  
 ■ red: **ORDER NO. 300-0273**

Our **TRICONE® XXL** phone plug **HI-J63TC-SM** is perfect for simple, solder-free DIY assembly when used with our **TRICONE® XXL** instrument cable.  
**Ideal for studio patch cabling plus all emergencies and on-site assembly.**



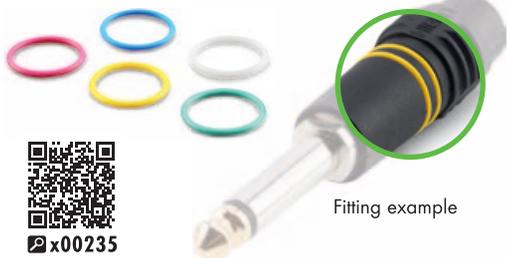
Joining piece for pliers or 8 mm wrench (5/16")



x00293

**6.3 mm phone plug, solid continuous pin with gold-plated tip.** Solder-free DIY assembly. Black fiberglass-reinforced polymer housing with two grooves for **HI-UC-COLOR** silicone color rings. Suitable cable: **TRICONE® XXL**

DESCRIPTION	ORDER NO.
2-pole male, <b>mono</b> . 6.3 mm phone plug <b>Solder-free DIY assembly, wrench size 8 mm</b>	<b>HI-J63TC-SM</b>



x00235

Fitting example

**Silicone color rings, elastic.**

For all HICON connectors with grooved housings. **10-pack**, multi-color coding (resistance code) also possible.

COLOR	ORDER NO. 10-pack
■ Red	<b>HI-UC-RT</b>
■ Yellow	<b>HI-UC-GE</b>
■ Green	<b>HI-UC-GN</b>
■ Blue	<b>HI-UC-BL</b>
□ White	<b>HI-UC-WS</b>

## HICON ▶ Audio ▶ PCB/PANEL-MOUNT PHONE JACKS

HICON®  
CONNECTORS

1

2

**6.3 mm panel-mount phone jack, PCB type, horizontal assembly, solderable\***  
Plastic housing with **plastic locking ring**  
Incl. locknut and washer

DESCRIPTION	ORDER NO. mono	ORDER NO. stereo
1 2-pole female, <b>mono</b> . 6.3 mm phone jack, tinned contacts	HI-J63M-PH	-
2 3-pole female, <b>stereo</b> . 6.3 mm phone jack, tinned contacts	-	HI-J63S-PH



x00297



3

4

**6.3 mm panel-mount phone jack, PCB type, horizontal assembly, solderable\***  
Plastic housing with **metal locking ring**  
Incl. locknut and washer

DESCRIPTION	ORDER NO. mono	ORDER NO. stereo
3 2-pole female, <b>mono</b> . 6.3 mm phone jack, tinned contacts	HI-J63M-PHM	-
4 3-pole female, <b>stereo</b> . 6.3 mm phone jack, tinned contacts	-	HI-J63S-PHM



x00298



5

6

**6.3 mm panel-mount phone jack, PCB type, VERTICAL assembly, solderable\***  
Plastic housing with **metal locking ring**  
Incl. locknut and washer

DESCRIPTION	ORDER NO. mono	ORDER NO. stereo
5 2-pole female, <b>mono</b> . 6.3 mm phone jack, tinned contacts	HI-J63M-PVM	-
6 3-pole female, <b>stereo</b> . 6.3 mm phone jack, tinned contacts	-	HI-J63S-PVM



x00300



7

**Combo panel-mount 3-pole XLR jack / stereo or mono phone jack**, gold-plated solder lugs.  
Black plastic housing. Universal D flange.

DESCRIPTION	ORDER NO.
7 3-pole female. Machined, gold-plated solder lugs	HI-XJEF6S
Matching screws: <b>Fillister head:</b>	<b>S-P3118</b> PU: 25 pcs.
<b>Countersunk head:</b>	<b>S-P3339</b> PU: 25 pcs.



x00301

\* Dimensional drawings can be found under [www.sommercable.com](http://www.sommercable.com) on the matching product page.

HICON ▶ Audio ▶ **MINI PHONE CONNECTORS****HICON**  
CONNECTORS*Little big man*

These 3.5 mm / 1/8" mini phone connectors are used in countless compact devices like MP3 players, sound cards, body packs, etc.

The HICON range offers an array of versions with these special features:

- screw lock for mobile applications (e.g., bodypacks)
- wide cable gland (for twin cables and/or thick cables)
- chuck strain relief (for high tensile forces)
- 6.3 mm / 1/4" screw adapter (for headphones, etc.)
- 90° angled

All versions come with genuine gold-plated solid pins and a 5-year warranty.

**3.5 mm phone plug and in-line jack** with genuine gold-plated pin. 3-pole, **locking screw thread**.

Black metal housing.

Max. cable Ø 5.8 mm. With clamping strain relief.

Matching sleeve protection for male version see below



x00305

DESCRIPTION	ORDER NO. male	ORDER NO. female
1 3-pole male. <b>3.5 mm</b> stereo plug	HI-J35S-SCREW-M	-
2 3-pole female. <b>3.5 mm</b> stereo phone jack	-	HI-J35S-SCREW-F

**3.5 mm phone plug** with genuine gold-plated pin.

Black metal housing. With clamping strain relief.



x00307

DESCRIPTION	ORDER NO. male	ORDER NO. female
3 3-pole male. <b>3.5 mm</b> stereo plug <b>Max. cable Ø 8.4 mm</b>	HI-J35S02	-
4 4-pole male. <b>3.5 mm</b> plug <b>Max. cable Ø 8.4 mm</b> <b>With extra pole for A/V applications</b>	HI-J35T02	-
5 3-pole male. <b>3.5 mm</b> stereo phone plug, compact design. Max. cable Ø 6.5 mm.	HI-J35S03	-

**NEW!****3.5 mm phone plug** with genuine gold-plated pin.

Black metal housing. Cable Ø 4.0 – 6.8 mm. With solder lug and **chuck strain relief**.



x01437

DESCRIPTION	ORDER NO. male	ORDER NO. female
6 2-pole male, gold-plated contacts, mono	HI-J35M04	-
7 3-pole male, gold-plated contacts, stereo	HI-J35S04	-

**NEW!****Black rubber protective sleeve**

for HI-J35S-SCREW-M and HI-J3563S.

Max. cable Ø 3.8 mm



x01445

DESCRIPTION	ORDER NO.
8 Protective sleeve	HI-KS38

HICON ▶ Audio ▶ **MINI PHONE PLUGS AND JACKS**



Flexible stereo adapter plug system converts 1/8" mini phone plug to 1/4" phone plug (e.g. headphones, DJ equipment)

**3.5 mm phone plug** with hard gold-plated pin, lockable via screw thread, solder version  
Black metal shell  
Max. cable Ø 5.8 mm

**incl. 6.3 mm phone plug jack adapter, gold-plated**  
Matching sleeve protection HI-KS38



DESCRIPTION	ORDER NO. male	ORDER NO. female
<b>1</b> 3-pole male. <b>3.5 mm</b> stereo phone plug + 6.3 mm stereo plug adapter	<b>HI-J35635</b>	-



x00308



**NEW!**

**3.5 mm phone plug, hard gold-plated pin**  
Black aluminum housing  
Max. cable Ø 5.8 mm. With clamping strain relief.

DESCRIPTION	ORDER NO. male	ORDER NO. female
<b>2</b> 3-pole male, stereo. 3.5mm phone plug	<b>HI-J35S05</b>	-
<b>3</b> 3-pole male, stereo. 3.5 mm phone plug <b>90° angled</b>	<b>HI-J35SA</b>	-



x00311



**Chassis-mount sub/mini phone jack**, solder version. 3-pole.  
Metal casing, chrome-plated. With plastic end.

DESCRIPTION	ORDER NO. male	ORDER NO. female
<b>4</b> 3-pole female. <b>2.5 mm</b> sub-mini phone jack. <b>For control</b>	-	<b>HI-J25SEF</b>
<b>5</b> 3-pole female. <b>3.5 mm</b> mini phone jack. <b>For audio</b>	-	<b>HI-J35SEF</b>



x00313



**Mini jack panel socket**. 3-pole.  
D flange.

**SYS BOXX** **D**

DESCRIPTION	ORDER NO. male	ORDER NO. female
3-pole female. Chassis-mount <b>2.5 mm</b> sub-mini phone jack. <b>Solder version, for control</b>	-	<b>HI-J25SEFD</b>
<b>6</b> 3-pole female. Chassis-mount <b>3.5 mm</b> mini phone jack. <b>Solder version, for audio</b>	-	<b>HI-J35SEFD</b>
<b>7</b> 3-pole female. Chassis-mount <b>3.5 mm</b> mini phone jack. <b>Screw/clamping terminal 3 x 1.5 mm<sup>2</sup></b>	-	<b>HI-J35SEFD-S</b>



x00315

HICON ▶ Audio ▶ **RCA/PHONO CONNECTORS****HICON**  
CONNECTORS

Before buying an RCA/phono connector, you should always make sure to purchase brand quality, because inferior connectors often have high contact impedances and bad attenuation values, thus negating the benefits of a good audio cable.

Features of quality connectors:

- Proper gold-plating or coating. Low-cost connectors often have only a lacquer finish!
- A solid continuous pin with no gaps caused by rivets, pressing, etc.
- Low contact resistances

The **HICON HI-CM09, HI-CM13** and **HI-CM18** RCA/phono connectors have a collet lock fixture to ensure optimal contact. Slightly unscrew the housing, insert the phono plug into its intended jack and then rotate the housing backward again (with **HI-CM09** forward). The plug will be held so firmly and securely in place that it will come off only upon unscrewing the housing.

**Owing to the high quality of the HICON RCA/phono series, HICON includes a 5-year warranty on these connectors!**

A range of RCA/phono adapters is shown on the following pages in the "Audio Adapters" section!

More hi-fi connectors are found in our **HICON** complete catalog.

For more details and information visit [www.hicon-hifi.com](http://www.hicon-hifi.com)

**RCA/phono plug, 2-pole. Genuine gold-plated solid pin.**

Black metal housing.  
Cable Ø 7.5 mm, incl. spring max. 6.4 mm. With triple-chuck strain relief and spring.



DESCRIPTION	COLOR CODE	ORDER NO.
1 2-pole male. RCA/phono	■ Red	<b>HI-CM03-RED</b>
2 2-pole male. RCA/phono	□ Neutral (white)	<b>HI-CM03-NTL</b>

**RCA/phono plug, 2-pole. Genuine gold-plated solid pin.**

Black metal housing.  
Max. cable Ø 7.0 mm, incl. anti-kink grommet max. 5.0 mm.



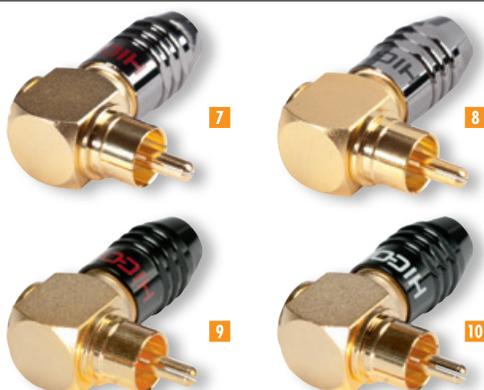
DESCRIPTION	COLOR CODE	ORDER NO.
3 2-pole male. RCA/phono	■ Red	<b>HI-CM06-RED</b>
2-pole male. RCA/phono	■ Yellow	<b>HI-CM06-YEL</b>
2-pole male. RCA/phono	■ Green	<b>HI-CM06-GRN</b>
2-pole male. RCA/phono	■ Blue	<b>HI-CM06-BLU</b>
4 2-pole male. RCA/phono	□ Neutral (white)	<b>HI-CM06-NTL</b>

**RCA/phono plug, 2-pole. Genuine gold-plated solid pin.**

Chrome-plated metal housing.  
Cable Ø 6.0 - 8.0 mm.



DESCRIPTION	COLOR CODE	ORDER NO.
5 2-pole male. RCA/phono	■ Red	<b>HI-CM07-RED</b>
6 2-pole male. RCA/phono	□ Neutral (white)	<b>HI-CM07-NTL</b>

**RCA/phono plug, 2-pole. Genuine gold-plated solid pin.**

**90° angled** housing. Screw type.  
Cable Ø 6.0 - 7.0 mm.



DESCRIPTION	COLOR CODE	ORDER NO.
7 2-pole male. RCA/phono <b>Chrome-plated housing</b>	■ Red	<b>HI-CMA01-RED</b>
8 2-pole male. RCA/phono <b>Chrome-plated housing</b>	■ Black	<b>HI-CMA01-BLK</b>
9 2-pole male. RCA/phono <b>Black housing</b>	■ Red	<b>HI-CMA02-RED</b>
10 2-pole male. RCA/phono <b>Black housing</b>	□ Neutral (white)	<b>HI-CMA02-NTL</b>

HICON ▶ Audio ▶ RCA/PHONO CONNECTORS



**RCA/phono plug, 2-pole. Genuine gold-plated solid pin.**  
Metal housing, Velvet chrome; collet lock fixture.  
Cable Ø 6.0 - 8.0 mm.



DESCRIPTION	COLOR CODE	ORDER NO.
1 2-pole male. RCA/phono	■ Red	HI-CM13-RED
2 2-pole male. RCA/phono	■ Black	HI-CM13-BLK



**RCA/phono plug, 2-pole. Genuine gold-plated solid pin.**  
Chrome-plated metal housing; collet lock fixture.  
Cable Ø 6.0 - 9.0 mm.



DESCRIPTION	COLOR CODE	ORDER NO.
3 2-pole male. RCA/phono	■ Red	HI-CM09-RED
4 2-pole male. RCA/phono	□ Neutral (white)	HI-CM09-NTL



**RCA/phono plug, 2-pole. Genuine gold-plated solid pin.**  
Chrome-plated metal housing; collet lock fixture.  
Cable Ø 6.0 - 8.0 mm.



DESCRIPTION	COLOR CODE	ORDER NO.
5 2-pole male. RCA/phono	■ Red	HI-CM18-RED
6 2-pole male. RCA/phono	□ Neutral (white)	HI-CM18-NTL



**RCA/phono plug, screw & play, 2-pole. Solid gold-plated tip**  
**Solderless, with screw contacts**  
Black metal housing  
Cable Ø 5.5 mm - 6.2 mm  
Recommended cables: TRICONE XXL, SPIRIT XS, RG59



DESCRIPTION	COLOR CODE	ORDER NO.
7 2-pole male. RCA/Cinch, screw & play 90° angled		HI-CMA-SM
8 Suitable color-coding rings:	□ white	HI-CSM-W5
	■ red	HI-CSM-RT

CONNECTORS

HICON ▶ Audio ▶ **The spectacular RCA/phono connector**

**NEW!**

**HICON**  
CONNECTORS

...for solderless DIY assembly!



1

Fitting example



x00355



Assembling a professional audio cable has never been so easy.

In addition to our successful DIY phone plug connector we have developed the **RCA/phono plug with screw terminal**. Insulated by macromolecular, thermoplastic resin, it offers extremely **low contact resistance values** and is therefore especially suitable as a hi-fi or audiophile connector.

Moreover, it offers **genuine gold-plated contact surfaces, a massive pin** and a solid **profile connection strain relief**, designed for cable gauges from 4.0 - 6.8 mm / 0.157 - 0.268".

The ideal wire cross-section is 0.34 mm<sup>2</sup>/AWG21 to 1.00 mm<sup>2</sup>/AWG17. Smaller cross-sections may be doubled.

The **HI-CM-SM** is perfectly matched to our **coax cable series TRICONE-XXL (300-0271), SPIRIT XXL (300-0071), CLASSIQUE (300-0117), CORONA (800-0079)**.

Each connector is supplied with a white and a red color code ring - to give you ultimate flexibility.

With a set of 4 HI-CM-SMs and a high-quality cable, you can easily make a set of high-grade hi-fi, pro audio or DJ interconnects in no time in your desired length.

DESCRIPTION	COLOR CODE	ORDER NO.
1 2-pole male, RCA/phono, screw & play	■ □	<b>HI-CM-SM</b> PU: 1 pcs.

CONNECTORS

HICON ▶ Audio ▶ **RCA/PHONO CONNECTORS, CRIMP**

**HICON**  
CONNECTORS



2



3



x00353

**RCA/phono plug, 2-pole. RG59 crimp version. Genuine gold-plated solid pin.**  
Chrome-plated metal housing.  
Recommended cables: **SC-FOCUSLINE, SC-ALTERA SPLIT HIGHFLEX.**  
Recommended tools: **HI-CRIMPSET.**

DESCRIPTION	COLOR CODE	ORDER NO.
2 2-pole male. RCA/phono		<b>HI-CM01C</b>
3 Matching <b>strain relief</b> in color...	■ Red	<b>KS59-RT</b>
	■ Orange	<b>KS59-OR</b>
	■ Green	<b>KS59-GN</b>
	■ Blue	<b>KS59-BL</b>
	■ Violet	<b>KS59-VI</b>
	■ Black	<b>KS59-SW</b>
	□ White	<b>KS59-WS</b>
	■ Brown	<b>KS59-BR</b>
	■ Yellow	<b>KS59-GE</b>
	■ Grey	<b>KS59-GR</b>

HICON ▶ Audio ▶ **RCA/PHONO JACKS**



**RCA/phono in-line jack, 2-pole. Genuine gold-plated, solder type.**  
Black metal housing.  
Max. cable Ø 7.0 mm, an anti-kink grommet of max. 5 mm is included.



🔍 x01469

DESCRIPTION	COLOR CODE	ORDER NO.
1 2-pole female. RCA/phono	■ Red	HI-CF06-RED
2 2-pole female. RCA/phono	□ White	HI-CF06-WHT



**RCA/phono in-line jack, 2-pole. Genuine gold-plated, solder type.**  
Chrome-plated metal housing.  
Cable Ø 6.0 – 8.0 mm.



🔍 x00374

DESCRIPTION	COLOR CODE	ORDER NO.
3 2-pole female. RCA/phono	■ Red	HI-CF08-RED
4 2-pole female. RCA/phono	■ Blue	HI-CF08-BLU
2-pole female. RCA/phono	□ White	HI-CF08-WHT



**RCA/phono panel jack/Extension adapter, 2-pole. Patch type.**  
Isolated ground. Thread outside Ø 12.7 mm (1/2"), fits into HI-DET D flange.  
\* For color-coding rings, see HICON BNC connectors on the following pages.



🔍 x00375

DESCRIPTION	COLOR CODE	ORDER NO.
5 2-pole female. RCA/phono	■ <b>SYS BOXX</b> ■ *	HI-CEFP01-NTL



**RCA/phono panel jack, 2-pole, genuine gold-plated. Solder type, PTFE insulated.**  
Thread outside Ø 8.0 mm.



🔍 x00376

DESCRIPTION	COLOR CODE	ORDER NO.
6 2-pole female. RCA/phono	■ Red	HI-CEF01-RED
7 2-pole female. RCA/phono	■ Black	HI-CEF01-BLK
8 2-pole female. RCA/phono	□ White	HI-CEF01-WHT



**RCA/phono panel jack, 2-pole. Solder type**  
Thread outside Ø 12.7 mm (1/2"), fits into HI-DET D flange.  
\* For color-coding rings, see HICON BNC connectors on the following pages.



🔍 x00377

DESCRIPTION	COLOR CODE	ORDER NO.
9 2-pole female. RCA/phono	■ <b>SYS BOXX</b> ■ *	HI-CEF02



■ **SYS BOXX** ■ **D**



🔍 x00378

**RCA/phono panel jack, 2-pole. D flange. Solder type, colored isolation ring.**

DESCRIPTION	COLOR CODE	ORDER NO.
10 2-pole female. RCA/phono	■ Red	HI-CEFD-RED
2-pole female. RCA/phono	■ Yellow	HI-CEFD-YEL
2-pole female. RCA/phono	■ Green	HI-CEFD-GRN
2-pole female. RCA/phono	■ Blue	HI-CEFD-BLU
2-pole female. RCA/phono	■ Black	HI-CEFD-NTL
2-pole female. RCA/phono	□ White	HI-CEFD-WHT

HICON ▶ Audio ▶ **BANANA PLUGS and CABLE LUGS****HICON**  
CONNECTORS

The Elektrolabor R-clips developed by the Hirschmann GmbH company back in 1926 are regarded as the predecessor of modern banana connectors, which owe their name to their banana-shaped leaf-spring tip.

To this day, the 4 mm / 0.157" version can be found in almost all premium-grade hi-fi loudspeaker connections. The HICON fork-type cable lugs provide an optimal clamp connection to your loudspeaker terminals.

All HICON banana connectors and cable lugs are hard gold-plated and guarantee low contact resistance values.

**Banana plug, hard gold-plated, w. screw terminal.**

Plastic shell.  
Max. cable  $\varnothing$  4.2 mm.

DESCRIPTION	COLOR CODE	ORDER NO.
1 Banana plug	■ Black	HI-BM01-BLK
2 Banana plug	■ Red	HI-BM01-RED

**Banana plug, hard gold-plated, w. screw terminal.**

Metal shell.  
Max. cable  $\varnothing$  4.2 mm.

DESCRIPTION	COLOR CODE	ORDER NO.
3 Banana plug	□ Neutral (white)	HI-BM04-WHT
4 Banana plug	■ Red	HI-BM04-RED

**Banana plug, hard gold-plated, w. lamellar clamping contact.**

Metal shell. Max. cable  $\varnothing$  4.0 mm.  
Recommended cable: **SC-DUAL BLUE, SC-QUADRA BLUE**

DESCRIPTION	COLOR CODE	ORDER NO.
5 Banana plug "screw & play"	□ Neutral (white)	HI-BM05-WHT
6 Banana plug "screw & play"	■ Red	HI-BM05-RED

**Banana plug, hard gold-plated, w. universal clamp.**

Metal shell.  
Max. cable  $\varnothing$  7.2 mm.

DESCRIPTION	COLOR CODE	ORDER NO.
7 Banana plug	■ Black	HI-BM06-BLK
8 Banana plug	■ Red	HI-BM06-RED

**Banana plug, hard gold-plated, w. screw terminal.**

Metal shell. Max. cable 4.2 mm.  
Recommended cable: **SC-DUAL BLUE, SC-QUADRA BLUE**

DESCRIPTION	COLOR CODE	ORDER NO.
9 Banana plug "screw & play"	□ Neutral (white)	HI-BM07-WHT
10 Banana plug "screw & play"	■ Red	HI-BM07-RED

**Banana plug, hard gold-plated, w. expansion clasp.**

Metal shell.  
Max. cable 6.9 mm.

DESCRIPTION	COLOR CODE	ORDER NO.
11 Banana plug	■ Black	HI-BM08-BLK
12 Banana plug	■ Red	HI-BM08-RED



The no-fuss clamping strain relief of the **HICON HI-BM13** ensures negligible contact resistances. The crimping can be done with any common grip wrench, while ideal conductivity is achieved by using BNC/ RG crimping pliers. The banana connector HI-BM13 consists of a screw-on housing and a tight lamella contact.

**Banana plug, hard gold-plated, universal connection (solder/clamp/crimp)**

Matt black metal housing.  
Max. cable Ø 8.5 mm.  
Cable cross-section 1.5 – 6.0 mm<sup>2</sup>

DESCRIPTION	COLOR CODE	ORDER NO.
1 Banana plug	<input type="checkbox"/> Neutral (white)	HI-BM13-WHT
2 Banana plug	<input checked="" type="checkbox"/> Red	HI-BM13-RED



x00386



**Cable lug, hard gold-plated, with screw terminal.**

Metal shell.  
Fork width 6.0 mm, max. cable Ø 3.8 mm. Ideal for conductors between 6.0 mm<sup>2</sup> and 4.0 mm<sup>2</sup>.  
Recommended cable: **SC-DUAL BLUE, SC-QUADRA BLUE**

DESCRIPTION	COLOR CODE	ORDER NO.
3 Cable lug	<input checked="" type="checkbox"/> Black	HI-CT05-BLK
4 Cable lug	<input checked="" type="checkbox"/> Red	HI-CT05-RED



x00387



**Cable lug, hard gold-plated, with screw terminal.**

Metal shell.  
Fork width 7.7 mm, max. cable Ø 7.5 mm. Ideal for conductors between 4.0 mm<sup>2</sup> and 25.0 mm<sup>2</sup>.

DESCRIPTION	COLOR CODE	ORDER NO.
5 Cable lug	<input checked="" type="checkbox"/> Black	HI-CT12-BLK
6 Cable lug	<input checked="" type="checkbox"/> Red	HI-CT12-RED



x00388



**Cable lug, hard gold-plated, angled.**

Metal shell.  
Fork width 7.7 mm. Ideal for conductors between 1.5 mm<sup>2</sup> and 8.0 mm<sup>2</sup>.

DESCRIPTION	ORDER NO.
7 Cable lug plain, angled 30°	HI-CTA01
8 Cable lug w. strain relief, max. Ø 6.0 mm, angled 25°	HI-CTA02



x00389

**XLR adapters**

Black metal housing

DESCRIPTION	ORDER NO.
1 XLR 3-pole male ⇔ XLR 3-pole male	HI-X3X3-MM
2 XLR 3-pole female ⇔ XLR 3-pole female	HI-X3X3-FF
3 XLR 3-pole male ⇔ XLR 3-pole female	HI-X3X3-FM
4 XLR 3-pole male ⇔ XLR 5-pole female	HI-X3X5-MF
XLR 3-pole female ⇔ XLR 5-pole male	HI-X3X5-FM



x00390

**XLR adapter with attenuator / DMX terminators**

Black metal housing

DESCRIPTION	ORDER NO.
5 XLR 3-pole male ⇔ XLR 3-pole female <b>Attenuator -20 dB @ 200 Ω</b>	HI-X3X3-20-200
6 XLR 3-pole male <b>DMX terminator 120 Ω</b>	HI-X3MT
7 XLR 3-pole female <b>DMX terminator 120 Ω</b>	HI-X3FT
XLR 5-pole male <b>DMX terminator 120 Ω</b>	HI-X5MT
XLR 5-pole female <b>DMX terminator 120 Ω</b>	HI-X5FT



x00393

**XLR ⇔ Mini XLR adapter**

Metal housing

DESCRIPTION	ORDER NO.
8 XLR 3-pole female ⇔ Mini XLR 3-pole male	HI-X3MX3-FM
9 XLR 3-pole male ⇔ Mini XLR 3-pole male	HI-X3MX3-MM



x00395

**XLR ⇔ RCA adapter**

Black metal housing

DESCRIPTION	ORDER NO.
10 XLR 3-pole female ⇔ RCA female	HI-X3CI-FF
11 XLR 3-pole male ⇔ RCA female	HI-X3CI-MF



x00397

HICON ▶ Audio ▶ **ADAPTERS****HICON**  
CONNECTORS

The **HICON** audio adapters with their high-quality metal finish are robust and ideal for everyday stage use. We use heat-resistant polyoxymethylene (POM) insulation, with the pin's shock-proof plastic ensuring high mating cycles and great durability.

**HICON metal adapters are so rugged they come with a 5-year warranty!**

The BASIC version is a budget plastic type and not covered by the **HICON** warranty.

More audio adapters, notably individual attenuators, are listed under "Ready-made Cables > Live Event Sound".

**Plug adapters 6.3 mm, male**

DESCRIPTION	ORDER NO.
<b>1</b> 2-pole: 6.3 mm phone plug male ↔ RCA/phono female. <b>BASIC</b>	<b>CIKL-FM</b>
<b>2</b> 2-pole: 6.3 mm phone plug 2-pole male ↔ RCA/phono female. <b>Metal housing</b>	<b>HI-JM6CI-MF</b>
<b>3</b> 3-pole stereo: 6.3 mm TRS phone plug male ↔ mini jack female. <b>Metal housing</b>	<b>HI-JS6JS3-MF</b>



x00403



Flexible stereo adapter plug system converts 3.5 mm mini phone plug to 6.3 mm phone plug (headphones, DJ equipment, etc.)

**3.5 mm mini phone plug**  
with hard gold-plated pin, lockable via screw thread, solder version  
Black metal shell. Max. cable Ø 5.8 mm  
**incl. 6.3 mm phone plug adapter, gold-plated**  
Matching protective sleeve HI-KS28



DESCRIPTION	ORDER NO.
<b>4</b> 3-pole stereo: <b>3.5 mm</b> mini phone plug + <b>6.3 mm</b> phone plug adapter, stereo	<b>HI-J3563S</b>



x00407

**Mini phone plug adapters 3.5 mm, male**  
Chrome-plated metal housing.

DESCRIPTION	ORDER NO.
<b>5</b> 2-pole: mini phone plug male ↔ RCA/phono female	<b>HI-JM3CI-MF</b>
<b>6</b> 3-pole stereo: mini phone plug male ↔ phone jack female	<b>HI-JS3JS6-MF</b>



x00409

**RCA/phono adapters 2-pole, male**

DESCRIPTION	ORDER NO.
<b>7</b> 2-pole: RCA/phono male ↔ 6.3 mm phone jack female <b>BASIC</b>	<b>CIKL-MF</b>
<b>8</b> 2-pole: RCA/phono male ↔ mini phone jack female <b>Metal housing</b>	<b>HI-CIJM3-MF</b>



x00411

**RCA/phono adapters 2-pole, female**  
Metal housing.

DESCRIPTION	ORDER NO.
<b>9</b> 2-pole: RCA/phono female ↔ RCA/phono female	<b>HI-CICI-FF</b>
<b>10</b> 2-pole: RCA/phono male ↔ RCA/phono female <b>angled 90°</b>	<b>HI-CI-MF90</b>



x00414

HICON ▶ Digital Audio ▶ **TOSLINK (OPTICAL)****HICON**  
CONNECTORS

The TOSLINK connector was developed in 1983 by the Toshiba company (TOSHIBA-LINK).

This is a connection standard for optical signal transmissions of up to 20 Mbit/s. These days, it connects digital audio devices in the studio and home: from Blu-ray, DVD and CD players, to game consoles and home cinema/DTS receivers, along with studio ADAT systems.

Another optical connector variation in the 3.5 mm / 1/8" mini phone plug format which allows you to tap multi-channel home cinema signals from certain devices (such as notebooks).



1



x00417

**TOSLINK plug for DIY assembly**

Black metal housing.  
Max. cable Ø 8.0 mm.  
Recommended cable: Polymer optical fiber **SC-Octopus 590-0092**

**DESCRIPTION**

1 TOSLINK plug

**ORDER NO.**

HI-TL01



2



x00420

**TOSLINK plug for DIY assembly**

Black metal housing.  
Max. cable Ø 6.0 mm.  
Recommended cable: Polymer optical fiber **SC-Octopus 590-0052**

**DESCRIPTION**

2 TOSLINK plug

**ORDER NO.**

POF-TOS



3

4

5



x00421

**TOSLINK adapters, female-to-female**

Black housing.

**DESCRIPTION**

3 TOSLINK socket ⇔ TOSLINK socket

**Extension adapter**

4 TOSLINK socket ⇔ TOSLINK socket

**D flange format**

5 TOSLINK socket ⇔ 2 x TOSLINK socket

**ORDER NO.**

POF-709

POF-740

**SYS BOXX D**

POF-810



6

7

8

9



x00422

**TOSLINK adapters**

Black housing.

**DESCRIPTION**

6 TOSLINK socket ⇔ Mini plug

7 TOSLINK plug ⇔ Mini socket

8 TOSLINK socket ⇔ TOSLINK angled plug  
**360° rotatable**

9 TOSLINK socket ⇔ Mini angled plug

**ORDER NO.**

POF-711

POF-723

POF-732

POF-733

HICON ▶ A/V, MULTIMEDIA ▶ HDMI CONNECTORS



HDMI connectors with extremely low contact resistances...

...for DIY assembly by certified specialists. Fitted to the SOMMER CABLE HDMI bulk cable **SC-TRANSIT High Speed HDMI with Ethernet**, the HDMI connector is the perfect solution for applications in professional media and in the home entertainment sector. The solder lugs sit on a printed circuit board with a large contact surface to prevent the often fragile circuit boards of the HDMI devices from being removed. The all-metal plug has a cable strain relief with protective sleeve. For DIY assembly, we recommend using a fine 1 mm / 0.039" solder tip. The easy to use IDC model (Insulation Displacement Connector = cut-and-clamp) is ideal for on-site installation.

Cable recommendation: **SC-TRANSIT-High Speed HDMI with Ethernet 612-0251**. Chrome-plated full metal housing.

DESCRIPTION

ORDER NO.

1	HDMI solder plug for DIY assembly for all current HDMI standards (as of Sept 2013)	<b>HI-HD-M</b>
2	HDMI IDC connector for DIY assembly for all current HDMI standards (as of Sept 2013)	<b>HI-HD-MSK</b>
3	Crimping pliers for HI-HD-MSK	<b>CZ-HI-HD-MSK</b>
	HDMI cable tester, for more information see the "Accessories"	<b>HD-T</b>

PIN ASSIGNMENT SCHEME

Plug Pin	Signal Wire	Cable	
		Pair	Color
1	TMDS Data 2+	Pair 1	white
2	TMDS Data 2 Shield	Pair 1	drain wire, GND
3	TMDS Data 2-	Pair 1	red
4	TMDS Data 1+	Pair 2	white
5	TMDS Data 1 Shield	Pair 2	drain wire, GND
6	TMDS Data 1-	Pair 2	green
7	TMDS Data 0+	Pair 3	white
8	TMDS Data 0 Shield	Pair 3	drain wire, GND
9	TMDS Data 0-	Pair 3	blue
10	TMDS Data Clock+	Pair 4	white
11	TMDS Data Clock Shield	Pair 4	drain wire, GND
12	TMDS Data Clock-	Pair 4	brown
13	CEC		white
14	Utility/HEAC+	Pair 5	white
15	SCL		yellow
16	SDA		orange
17	DDC/CEC/HEAX Ground	Pair 5	drain wire, GND
18	Power +5 V		red
19	Hot Plug Detect/HEAC-	Pair 5	yellow

HDMI Patch panel jack

Nickel-plated metal housing. For all current HDMI standards (as of Sept 2013).

DESCRIPTION

ORDER NO.

4	HDMI Patch panel jack D shape format	<b>HI-HDHD-FFDN</b>
---	--------------------------------------	---------------------



Since 2003 HDMI (High Definition Multimedia Interface) has been a standardized interface for the digital transmission of audio and video signals. The 2.0 standard certified in September 2013 includes the following features:

- Maximum data rate: 8.16 Gbit/s
- Video format: 2160p @ 24 Hz
- Sound formats: 8 PCM, Home-Cinema, DTS, MPEG, DVD-Audio, SACD, Dolby Digital® Plus, 32-channel audio, TrueHD and dts-HD

Other features:

- 4K resolution
- HDMI Ethernet channel (HEC)
- Audio return channel (ARC) and
- 4K 3D support
- Multistream audio + video support



x00424

## HICON ▶ A/V, Multimedia ▶ EUROPEAN ANTENNA CONNECTORS

**HICON**  
CONNECTORS


Most European broadcast TVs and radios have the classic antenna connection for the reception of VHF (FM) and UHF signals. The local cable companies also use this standard. **HICON** offers a line of antenna connectors, ranging all the way from good basic quality, to the top-grade high-end version with **genuine gold-plated** contacts and PTFE insulation to ensure the lowest contact resistance values.



x00426

**Antenna connector, genuine gold-plated, PTFE-insulated. Solder & screw type.**  
Black metal housing.  
Max. cable Ø 8.0 mm.  
Recommended cable: **SC-Astral 600-0960LLX**

## DESCRIPTION

- 1 2-pole male  
2 2-pole female

ORDER NO.  
male  
**HI-ANCM02**

ORDER NO.  
female  
-

-

**HI-ANCF02**

x00428

**Antenna connector, genuine gold-plated, PTFE-insulated. Solder type.**  
Chrome-plated metal housing.  
Max. cable Ø 7.0 to 8.2 mm.  
Recommended cable: **SC-Astral 600-0960LLX**

## DESCRIPTION

- 3 2-pole male  
4 2-pole female

ORDER NO.  
male  
**HI-ANCM01**

ORDER NO.  
female  
-

-

**HI-ANCF01**

x00431

**NEW!**

**Antenna connector, angled. Screw/clamp type**  
Chrome-plated full metal housing. Bayonet sleeve white plastic.  
Max. cable Ø 6.8 mm.  
Recommended cable: **SC-Astral 601-0970, 600-0960LLX**

## DESCRIPTION

- 5 2-pole male, angled  
6 2-pole female, angled

ORDER NO.  
male  
**ANT-MW**

ORDER NO.  
female  
-

-

**ANT-FW**

x00433

## Panel-mount patch connector

## DESCRIPTION

- 7 2-pole female.  
**1/2" thread, outside Ø 12.7 mm**  
8 2-pole female.  
**D flange format**

ORDER NO.  
male  
-

ORDER NO.  
female  
**HI-ANEFP01**

-

**[SYS BOXX]**

-

**HI-ANEFPD****[SYS BOXX] D**

HICON ▶ A/V, Multimedia ▶ **F CONNECTORS 75 Ω**



For digital TV image transmission, **HICON** offers a high-end series of F connectors with extremely low contact resistance values.

Suitable for easy DIY assembly is the **FMC series** of F compression connectors which can also be used for 3 GHz applications.

The high-end models **HI-FM07** and **HI-FM08** (solder) have genuine gold-plated contacts and PTFE insulation.



**F connector, genuine gold-plated pin**  
 Matt black metal housing.  
 Max. cable Ø 8.2 mm. With collet strain relief.  
 Recommended cable: **SC-ASTRAL 600-0960LLX**

DESCRIPTION	ORDER NO.
<b>1</b> 2-pole male, PTFE insulation Screw/clamp type	<b>HI-FM07</b> x00439



**F connector, genuine gold-plated pin**  
 Metal housing.  
 Max. cable Ø 7.3 mm. With clamping strain relief.  
 Recommended cable: **SC-ASTRAL 600-0960LLX**

DESCRIPTION	ORDER NO.
<b>2</b> 2-pole male, PTFE insulation Solder type	<b>HI-FM08</b> x00445



**F compression connector**  
 Chrome-plated metal housing.  
**Max. tensile force: 200 N.**

	Return loss	Shielding value
1000 MHz	37 dB	110 dB
3000 MHz	28 dB	90 db

DESCRIPTION	ORDER NO.
<b>3</b> F compression connector for cables: <b>RG59, SC FOCUSLINE M 0.6/3.7, SC-VECTOR 0.8/3.7</b>	<b>FMC-3.7</b>
F compression connector for cables: <b>SC-VECTOR (RCB) 1.0/4.8, SC-ASTRAL LLX</b>	<b>FMC-5.0</b> x00446
F compression connector; waterproof, IP67 for cables: <b>SC-VECTOR (RCB) 1.0/4.8, SC-ASTRAL LLX</b>	<b>FMC-5.0W</b>
Matching seal cuff (outdoor installation) for: <b>FMC-5.0W</b>	<b>FMC-SEAL</b>
<b>4</b> Multi-tool with cable stripper 6.5 mm + 6.5 mm Incl. 11 mm open-jaw wrench for <b>F compression connectors</b>	<b>WFMC11</b>



**F adapter**  
 Metal housing.

DESCRIPTION	ORDER NO.
<b>5</b> 2-pole female/female	<b>HI-FEFP</b>
<b>6</b> 2-pol female/male, angled	<b>HI-F-MF90</b> x00447



**F adapter, patch type Ø 12.7 mm (1/2")**  
 Metal housing.

DESCRIPTION	ORDER NO.
<b>7</b> 2-pole female/female Fits into <b>HI-DET D</b> flange	<b>HI-FEEP01</b> x00448



HICON ▶ A/V, Multimedia ▶ **SCART/S-VHS/DVI****HICON**  
CONNECTORS

1



x00450

**SCART adapter**Gold-plated contacts.  
Metal housing.**DESCRIPTION**1 SCART 21-pole, male ⇔ S-VHS + 3 x RCA/phono female  
With input/output selector switch**ORDER NO.**

HI-SCSVCI



2



x00451

**S-VHS cable connector, genuine gold-plated contacts. Solder type**

Chrome-plated metal housing.

Max. cable Ø 8.2 mm.

Recommended cable: **CINEMA-SV****DESCRIPTION**

2 4-pole male, PTFE insulation

**ORDER NO.**

HI-SVCM02



3



x00452

**HICON DVI 24+1 connector including EMC all metal cap****Solder version with low contact resistances for DIY assembly.**

For soldering we recommend using a fine 1 mm solder tip.

When wired up with **SC-Impulse** bulk cable from **SOMMER CABLE**, this DVI connector is the perfect solution for professional media applications.**DESCRIPTION**

3 24+1-pole male

Recommended cable: **SC-Impulse 600-1921****ORDER NO.**

DVI01

HICON ▶ A/V, Multimedia ▶ **ADAPTERS**



Most of the **HICON** video or A/V adapters shown here are encased in a robust full metal housing and are ideal for professional use in media technology.

All adapters with a metal shell come with **HICON's** 5-year warranty.

The BASIC version is a cost-effective plastic variant that does not include the **HICON** warranty.



CONNECTORS

**F-to-F adapters and F-to-antenna adapters**

Metal housing, angled 90°.



DESCRIPTION	ORDER NO.	
<b>1</b> F female ↔ F male angled 90°	<b>HI-F-MF90</b>	 x00454
<b>2</b> F female ↔ Antenna female angled 90°	<b>HI-FAN-FF90</b>	
<b>3</b> F female ↔ Antenna male angled 90°	<b>HI-FAN-FM90</b>	

**BNC/Antenna adapters**

Metal housing.



DESCRIPTION	ORDER NO.	
<b>4</b> BNC female ↔ BNC female	<b>HI-BNBN-FF</b>	 x00457
<b>5</b> BNC female ↔ BNC male angled 90°	<b>HI-BNBN-MF90</b>	
<b>6</b> BNC female ↔ Antenna male	<b>HI-BNAN-FM</b>	

**BNC-to-RCA/phono adapters**

Metal housing.



DESCRIPTION	ORDER NO.	
<b>7</b> BNC female ↔ RCA/phono female	<b>HI-BNCI-FF</b>	 x00458
<b>8</b> BNC female ↔ RCA/phono male	<b>HI-BNCI-FM</b>	
<b>9</b> BNC male ↔ RCA/phono female	<b>HI-BNCI-MF</b>	

HICON ▶ A/V, Multimedia ▶ ADAPTERS



1

2



x00460

3

**DVI Gender changers**

SYS BOXX II

**DESCRIPTION****ORDER NO.**

1 DVI Gender changer, compact, grey

HI-DVDV-FF

2 DVI Gender changer, 61 mm long  
Comes with two longer UNC bolts  
for front panel mounting

HI-DVDV-FFL

3 DVI Gender changer,  
adapter cable, 0.15 m

DVFF-0015



4

5



x00461

**DVI adapters, BASIC**

Black housing.

**DESCRIPTION****ORDER NO.**4 DVI female ↔ HDMI male  
**BASIC**

DVHD-FM

DVI female ↔ HDMI female  
**BASIC**

DVHD-FF

5 DVI male ↔ HDMI female  
**BASIC**

DVHD-MF

6 DVI male ↔ HD 15-pole (VGA) female  
**BASIC**

DVS2-MF

7 DVI female ↔ HD 15-pole (VGA) male  
**BASIC**

DVS2-FM



6

7



x00463

**HDMI ↔ USB-C 3.1 Adapter**

White shell

**DESCRIPTION****ORDER NO.**

8 HDMI female ↔ USB-C 3.1 male

HDUC-FM

HICON ▶ A/V, Multimedia ▶ ADAPTERS

**HICON**  
CONNECTORS



x01421



1

**HDMI adapter**  
White housing.

**DESCRIPTION**

1 HDMI male > SUB-D female

**ORDER NO.**

**HDSV-MF**



5

**HDMI adapters, Black housing.**

**DESCRIPTION**

2 HDMI female ↔ HDMI female  
**Gender changer, UNC thread**

3 HDMI female ↔ HDMI mini male

4 HDMI female ↔ HDMI micro male

5 HDMI female ↔ USB micro male  
(Smartphone > Monitor)

Smartphone > Monitor > Exception  
(Samsung > S2)

**ORDER NO.**

**HI-HDHD-FF**  
**SYS BOXX**

**HDHM-FM**

**HDMM-FM**

**HDMU-FM**

**HDMU-FM2**

4



x01422



6

7



x01423

**HDMI Cable adapters**

**DESCRIPTION**

6 HDMI female in VGA flange housing ↔  
HDMI female, 0.15 m

7 HDMI female in VGA flange housing ↔  
HDMI male, 0.30 m

HDMI female in VGA flange housing ↔  
HDMI male, 0.50 m

HDMI female in VGA flange housing ↔  
HDMI male, 1.00 m

**ORDER NO.**

**HI-HDFF-0015-SW**

**HI-HDFM-0030-SW**

**HI-HDFM-0050-SW**

**HI-HDFM-0100-SW**



8

**NEW!**

9

10

11



x01424

**HDMI angled adapters**

Gold-plated contacts. Black plastic housing.

**DESCRIPTION**

8 HDMI male ↔ HDMI female  
**Outlet angled 90° to the right**

9 HDMI male ↔ HDMI female  
**Outlet angled 90° to the left**

10 HDMI male ↔ HDMI female  
**Outlet angled 90° upward**

11 HDMI male ↔ HDMI female  
**Outlet angled 90° downward**

**ORDER NO.**

**HDHD-MF90HR**

**HDHD-MF90HL**

**HDHD-FM90V**

**HDHD-MF90V**



12

**1080p  
HDTV**



x01425

*Passive/active HDMI Repeater*

The longer the HDMI transmission lines are, the greater the attenuation losses will be, eventually leading to a complete signal dropout. As the signal range approaches its limit, a form of image noise sometimes called "snow" develops. This repeater increases the signal strength over a **total distance of up to 40 m/131 ft.** With such long distances we recommend an HDMI cable cross-section of AWG 24. The cable length on the input side of the unit may be a maximum of 5 m/16 ft., and the cable length from the output to the connected device can be another 35 m/115 ft. Note: the maximum transmission distance depends on the quality of the cable and connectors, as well as the signal transmission's peripheral equipment. An optional 5-volt power supply may be connected, and is recommended for transmission distances exceeding 20 m/65 ft.

**Passive/active HDMI repeater for viewing modes up to Full HD 1080p**  
Black housing. Without power supply.

**DESCRIPTION**

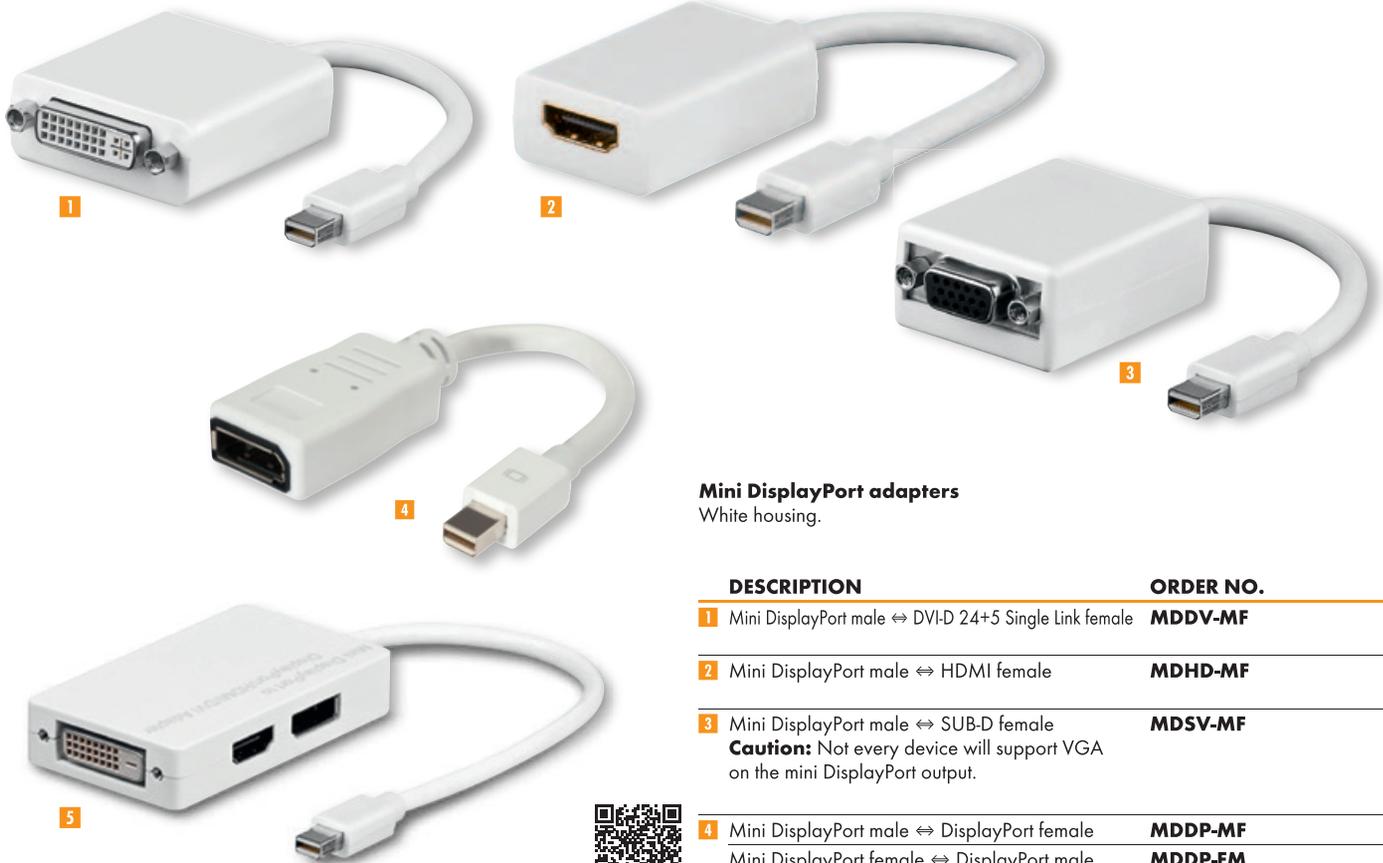
12 HDMI female ↔ HDMI female

**ORDER NO.**

**HI-HDHD-RPT**

CONNECTORS

HICON ▶ A/V, Multimedia ▶ ADAPTERS



**Mini DisplayPort adapters**  
White housing.

DESCRIPTION	ORDER NO.
1 Mini DisplayPort male ↔ DVI-D 24+5 Single Link female	<b>MDDV-MF</b>
2 Mini DisplayPort male ↔ HDMI female	<b>MDHD-MF</b>
3 Mini DisplayPort male ↔ SUB-D female <b>Caution:</b> Not every device will support VGA on the mini DisplayPort output.	<b>MDSV-MF</b>
4 Mini DisplayPort male ↔ DisplayPort female	<b>MDDP-MF</b>
Mini DisplayPort female ↔ DisplayPort male	<b>MDDP-FM</b>
5 Mini DisplayPort male ↔ HDMI female + DVI female + DisplayPort female	<b>MDXX-MF</b>



**DisplayPort adapters**  
Black housing.

DESCRIPTION	ORDER NO.
6 DisplayPort female ↔ DisplayPort female	<b>DPDP-FF</b>
7 DisplayPort male ↔ HDMI female	<b>DPHD-MF</b>
8 DisplayPort male ↔ DVI female	<b>DPDV-MF</b>



**DisplayPort adapter cable**

DESCRIPTION	ORDER NO.
9 DisplayPort female in VGA flange housing ↔ DisplayPort female, 0.15 m	<b>HI-DPPF-0015-SW</b>



HICON ▶ Video ▶ DIN1.0/2.3

**NEW!**



SDI/HD-SDI 3G-SDI



**Mini RF crimp connector 75Ω** for use in measurement and video transmission technology.  
Brass housing, nickel-plated; Gold-plated pin; Push/Pull locking  
Recommended cable: **SC-VECTOR 0.8/3.7**

DESCRIPTION	ORDER NO.
DIN 1.0/2.3 male	<b>BMD1.0/2.3</b>

HICON ▶ Video ▶ **BNC CONNECTORS****HICON**  
CONNECTORS

The **BNC** connector (Bayonet Neill Concelman) is one of the best known coaxial plug types and was invented in the late 1940s. It is available with a wave impedance of either 50 or 75 Ω and is mainly used in radio and video technology, medical engineering and computer technology. Our connectors meet the specifications according to IEC 169-8, MIL-C-39012.

The upper frequency limit of the 50 Ω BNC version is 4 GHz. The 75 Ω standard BNC connectors are suitable for 1 GHz and the HDTV version for 1.5 GHz applications.

Inner cond. material:	Cu1Ni2 Au0.8
Housing material:	Cu2Ni5
Insulation material:	PTFE
Temperature range:	-65°C to +165°C -85°F to +329°F
Insulation resistance:	5 GΩ
Inner and outer conductor resistance:	< 2 MΩ each

**What does 0.6/3.7 = AWG20/0.146" mean?**

The figure 3.7/0.146" indicates the diameter of the wire insulation (square), the 0.6/AWG20 refers to the copper wire diameter (hex). Take note! Diameter is not equivalent to wire cross-section! When using a flexible cable with stranded copper wires, make sure the wire cross-section correlates with a diameter of "0.6 mm"/AWG20!  
Formula:  $\varnothing = \sqrt{(4 \times \text{crosssection}) : \pi}$

The **HT crimp set** is an affordable crimping pliers toolkit for standard BNC sizes. More crimping tools are listed in the "Hardware & Accessories" section.

The products labelled with the **SYSBOXX** logo fit our modular **SYSBOXX** system (see [www.sommercable.com](http://www.sommercable.com)) and our recessed **universal HI-DET D flange** in this catalog.

**BNC cable crimp connector 50 Ω**

Metal housing.

Recommended tool: **HT-CRIMPSET****DESCRIPTION**

2-pole, male  
for cable: RG58 C/U, Color grommet KS58

2-pole, male  
for cable: RG58 C/U LL, Color grommet KS58

2-pole, male  
for cable: RG174/U, 316/U, Color grommet KS174

2-pole, male  
for cable: RG213/U

**ORDER NO.****BNC58****BNC58LL****BNC174****BNC213**

x00473

**BNC crimp connectors 50 Ω, angled 90°, with solder pin**

Metal housing.

Recommended tool: **HT-CRIMPSET****DESCRIPTION**

2-pole, male  
for cable: RG58 C/U, Color grommet KS58

2-pole, male  
for cable: RG174/U, 316/U, Color grommet KS174

**ORDER NO.****BNC58M90****BNC174M90**

x00474

**BNC crimp cable socket 50 Ω**

Metal housing.

Recommended tool: **HT-CRIMPSET****DESCRIPTION**

2-pole, female  
for cable: RG58 C/U, Color grommet KS58

**ORDER NO.****BNC58FK**

x00475

**BNC panel-mount crimp socket 50 Ω**

Metal housing.

Recommended tool: **HT-CRIMPSET**. Matching color code: **BNC-FC...****DESCRIPTION**

**1** 2-pole, female  
for cable: RG58 C/U, **isolated ground**

**1** 2-pole, female  
for cable: RG58 C/U, **w/o ground isolation**

**2** 2-pole, female, **D flange** metal with M3 thread  
for cable: RG58 C/U, **isolated ground**

**ORDER NO.****BNC58FEM**  
**SYS BOXX****BNC58FEO**  
**SYS BOXX****BNC58FD**  
**SYS BOXX** **D**

x00478

## HICON ▶ Video ▶ BNC CONNECTORS

HICON  
CONNECTORS**BNC compression connectors 50 Ω and 75 Ω**

Metal housing. With solder pin and tool-free screw installation.  
Visit [www.sommecable.com/service](http://www.sommecable.com/service) for mounting instructions



x00481

**DESCRIPTION**

2-pole, male  
for cable types: RG58 C/U, **50 Ω**

2-pole, male  
for cable types: SC-Focusline, SC-Altera-Split, Transit MC120,  
SC-Classic Control; RG59B/U, SC-Classic Control, **75 Ω**

**ORDER NO.****BNC58KOM****BNC59KOM****BNC crimp connectors 75 Ω**

Metal housing.  
Recommended tool: **HT-CRIMPSET**



x00482

**DESCRIPTION**

2-pole, male  
for cable types: Cinema-SV, Transit Mini Flex, -Mini Kombi, -Mini Control,  
Intercom, RG179A/U, SC-Monomax, Transit MC72491, 73251, Color grommet KS174

2-pole, male  
for cable types: SC-Slimline (RCB), Transit, Transit MC523HD,  
Transit MC8232, Color grommet KS58

2-pole, male  
for cable types: SC-Focusline, SC-Altera-Split, Transit MC120,  
Transit MC 123 HD, SC-Classic Control, Color grommet KS59

2-pole, male  
for cable types: Transit Mobile PUR, Color grommet KS59

2-pol, male  
for cable types: RG6/U

2-pole, male  
for cable types: RG59B/U, SC-Classic Control, Color grommet KS59

**ORDER NO.****BNC0.3/1.8****BNC0.6/2.8HD****BNC0.6/3.7****BNC0.66/3.2****BNC6****BNC59****BNC crimp connectors 75 Ω, angled 90°**

Metal housing.  
Recommended tool: **HT-CRIMPSET**

**DESCRIPTION**

**1** 2-pole, male, angled 90°  
for cable types: Cinema-SV, Transit Mini Flex, -Mini Kombi,  
-Mini Control, SC-Kinetic, Intercom, RG179A/U, SC-Monomax,  
Transit MC72491, 73251, Color grommet KS174

**The center wire is inserted into the pin, clamped, and then the outer sleeve is crimped.  
Note that stranded wires must be tinned first, before assembly.**

**2** 2-pole, male, angled 90°, with solder pin  
for cable type: RG6/U

**3** 2-pole, male, angled 90°, with solder pin  
for cable types: SC-Focusline, SC-Altera-Split, Transit MC120,  
Transit MC 123 HD, SC-Classic Control; RG59B/U, Color grommet KS59

**ORDER NO.****BNC0.3/1.8M90****BNC6M90****BNC59M90**

x00484

**BNC crimp cable in-line jack 75 Ω**

Metal housing.  
Recommended tool: **HT-CRIMPSET**

**DESCRIPTION**

2-pole, female  
for cable types: Cinema-SV, Transit Mini Flex, -Mini Kombi,  
-Mini Control, SC-Kinetic, Intercom, RG179A/U, SC-Monomax,  
Transit MC72491, 73251, Color grommet KS174

2-pole, female  
for cable types: SC-Slimline (RCB), Transit, Transit Kombi HD,  
Observer 1 HD, Transit MC523HD, Transit MC8232, Color grommet KS58

2-pole, female  
for cable types: RG59B/U, SC-Classic Control, Color grommet KS59

**ORDER NO.****BNC0.3/1.8FK****BNC0.6/2.8FK****BNC59FK**

x00486

**BNC in-line jack and chassis-mount jack, crimp 75 Ω.** Metal housing.

Suitable tool: **HT-CRIMPSET**. Corresponding color code: **BNC-FC...**

**DESCRIPTION**

**4** 2-pole, female, **ground isolation**  
for cable types: RG59 B/U, SC-Classic Control

**4** 2-pole, female, **w/o ground isolation**  
for cable types: RG59 B/U, SC-Classic Control

**5** 2-pole, female, **D flange** metal with M3 thread\*  
for cable types: RG59 B/U, SC-Classic Control

**ORDER NO.****BNC59FEM****BNC59FEO**  
[SYS BOXX]**BNC59FD**  
[SYS BOXX] [D]

x00488



HICON ▶ Video ▶ BNC CONNECTORS



**BNC connector, genuine gold-plated contacts. Solder type**  
Metal housing, PTFE-insulated.

DESCRIPTION	ORDER NO. male	ORDER NO. female
1 2-pole male for cable types: SC-Focusline, SC-Altera-Split, Transit MC120, SC-Classic Control; RG59B/U	HI-BNC59MG	-
2 2-pole female for cable types: SC-Focusline, SC-Altera-Split, Transit MC120, SC-Classic Control; RG59B/U	-	HI-BNC59FG



x00491



Application example

**Color-coded rings for FDH and FPD D-flange versions**

**|| SYS BOXX ||**

COLOR	ORDER NO. per pc.	COLOR	ORDER NO. per pc.
Red	HI-DR-RT	Grey	HI-DR-GR
Orange	HI-DR-OR	White	HI-DR-WS
Yellow	HI-DR-GE	Mint green	HI-DR-MN
Brown	HI-DR-BR	Pink	HI-DR-PN
Green	HI-DR-GN	Violet	HI-DR-VI
Blue	HI-DR-BL		



x00494



**Protective sleeves**

...for all BNC plugs (except BNC213 and BNC1.0/6.6) are available in red (RT), green (GN), blue (BL), yellow (GE), brown (BR), grey (GR), black (SW), white (WS), orange (OR), violet (VI) and turquoise (CY). Please order separately specifying the desired color. Order example: KS58-RT

DESCRIPTION	ORDER NO.
for: BNC 58 and BNC 0.6/2.8 <b>Please note:</b> Not available in grey	KS58-COLOR
for: BNC 59, BNC 0.6/3.7, BNC 0.8/3.8, BNC 0.66/3.2, BNC 1.2/5.0	KS59-COLOR
for: BNC 174, BNC 0.3/1.8, BNC 0.4/2.5 <b>Please note:</b> Only available in red, green, blue, black and white	KS174-COLOR
for: BNC 1.2/5.0	KS1250-COLOR
for: BNC 1.6/7.3	KS1673-COLOR



x00495



3

**Coax crimping pliers tool kit in a case**

containing the following parts:

1 x Crimping pliers for quick-change jaws +

5 x Jaw sets for BNC crimping connectors:

1. RG58, RG174, FiberOptic, F2, F3, F5
2. RG58, RG59, RG62, RG174, RG140, FiberOptic
3. RG174, RG178, RG179, FiberOptic
4. RG8, RG9, RG11, RG174, RG316, RG213, RG216, BNC 1.2/5.0 all, BNC 1.6/7.3 all
5. RG58, RG174, SMA, SMB

Complete with stripping tool and case for pliers & jaw sets.  
(See website for Hex measurements.)



x00499



4

DESCRIPTION	ORDER NO.
3 Crimping pliers tool kit w. case	HT-CRIMPSET
4 Spare crimping pliers w/o jaws	HT-CRIMPTOOL

5



**Tool for mounting BNC connectors into the HI-DET D flange**  
Metal version.

DESCRIPTION	ORDER NO.
5 Tool for mounting BNC connectors into the recessed HI-DET D flange	WSW16

CONNECTORS

HICON ▶ Video ▶ **BNC connector 3G-SDI / 6G-SDI****HICON**  
CONNECTORS**Higher – faster – further ...  
HICON UHD/3G/HD-SDI-BNC  
connectors**

While RG and video connectors for the analog world are relatively easy to produce, the new 3G/6G/12G standards require high-quality precision manufacturing methods capable of producing connectors with the tightest tolerances. The machines needed for these exacting requirements are made in Germany for the most part, and also refine other **HICON** connector production processes.

Utilizing these methods, specialty items **HICON** produces include standard-format, panel-mount jacks in an attenuation-optimized direct crimp version.

The **HICON** BNC-HD and 6G connectors for digital serial video transmission are among the few **high-end** connectors on the market, having garnered a top-notch technical reputation,

especially among the many radio, broadcast and HD-TV stations where they are employed.

The **HICON HD-SDI and 6G-SDI series** features not only a **hard gold-plated pin**, but also a **hard gold-plated shielded housing** to keep the skin effect as low as possible.

The contact pin possesses a special internal micro-fine spiral groove to hold the copper conductor tightly in place after the crimping process, thereby ensuring an excellent connection. The hard gold-plating and the axial contact pressure guarantee thousands of mating cycles, withstanding even the most adverse conditions and temperature differences encountered, such as outdoors or in remote broadcast field operations.

**Applications:**

- Professional broadcast transmission technology
- Digital studio technology
- IT/data technology
- Medical equipment
- UHD transmissions (6 G-BNC)

**Technical specifications**

	<b>HD (3G)</b>	<b>6G</b>
Insulation:	S-PTFE	S-PTFE
Wave impedance:	75 Ω	75 Ω
Reflection @ 3 GHz:	4.8%	2.8%
Reflection @ 6 GHz:	7.5%	4.5%
VSWR up to 3 GHz:	≤ 1.09 / >26 dB	≤ 1.06 / >32 dB
VSWR up to 6 GHz:	≤ 1.15 / >24 dB	≤ 1.09 / >29 dB
Resistance of inner conductor:	≤ 3 MΩ	≤ 3 MΩ
Resistance of outer conductor:	≤ 1 MΩ	≤ 1 MΩ
Insulation resistance @ 1.000 V:	≥ 5 GΩ	≥ 5 GΩ
Nominal voltage:	500 V	500 V
Operating temperature range:	-60°C... +160°C	
Mating cycles/service life:	>1500	>2000

3G-SDI | SDI/HD-SDI | HDTV

**HD-SDI/3G-SDI-Broadcast, BNC crimp connector 75 Ω, hard gold-plated contact surfaces, 4 μm thick, internal thread inside pin core opening**  
Body: Brass/beryllium bronze with corrosion-proof coating.



x00503

<b>DESCRIPTION</b>	<b>ORDER NO.</b>
HD-SDI/3G-SDI, 2-pole, male for cable types: SC-Slimline (RCB), Transit, Transit Kombi HD, Observer 1 HD, Transit MC5230HD, Transit MC5231HD06 (Recommended tool: HT-CRIMPSET), Color grommet KS58	<b>BNC0.6/2.8HD</b>
HD-SDI/3G-SDI, 2-pole, male for cable types: SC-Vector 0.8/3.7, Transit MC223HD (Recommended tool: HT-CRIMPSET), Color grommet KS59	<b>BNC0.8/3.7HD</b>
HD-SDI/3G-SDI, 2-pole, male for cable types: SC-Vector Plus 1.2L/5.0, SC-Vector Plus 1.2L/4.8DZ, SC-Astral LLX, Transit MC3031, Transit MC3231 (Recommended tool: HT-CRIMPSET), Color grommet KS1250	<b>BNC1.2/5.0HD</b>
HD-SDI/3G-SDI, 2-pole, male for cable types: SC-Vector Plus RCB 1.6L/7.3 (Recommended tool: HT-CRIMPSET), Color grommet KS1673	<b>BNC1.6/7.3HD</b>

HICON ▶ Video ▶ BNC CONNECTORS 3G-SDI / 6G-SDI

HICON  
CONNECTORS

1

6G-SDI 3G-SDI SDI/HD-SDI HDTV

**6G-SDI-Broadcast, BNC connector crimp 75 Ω, hard gold-plated contact areas, 4 μm thick, internal thread inside pin core opening**  
Housing: brass / beryllium bronze hard gold-plated, processed to resist corrosion.

DESCRIPTION	ORDER NO.
1 6G-SDI, 2-pole, male for cable types: SC-Vector 0.8/3.7, Color grommet KS59 (Recommended tool: HT-CRIMPSET)	BNC0.8/3.7-6G
6G-SDI, 2-pole, male for cable types: SC-Vector Plus 1.2L/5.0, SC-Vector Plus 1.2L/4.8DZ, SC-Astral LLX, Transit MC3031, Transit MC3231, Color grommet KS1250 (Recommended tool: HT-CRIMPSET)	BNC1.2/5.0-6G
6G-SDI, 2-pole, male for cable types: SC-Vector Plus 1.6L/7.3, SC-Vector Plus 1.6/7.0, Color grommet KS1673 (Recommended tool: HT-CRIMPSET)	BNC1.6/7.3-6G



x00505



2

3G-SDI SDI/HD-SDI HDTV

**HD-SDI/3G-SDI-Broadcast, BNC panel-mount jack, crimp style, 75 Ω, hard gold-plated contact surfaces, 4 μm thick, internal thread inside pin core**  
Body: Brass/beryllium bronze, hard gold-plated, with corrosion-proof coating.

DESCRIPTION	ORDER NO.
2 HD-SDI/3G-SDI, 2-pole, female, <b>ground isolation, fits into D flange</b> for cable types: SC-Slimline (RCB), Transit, Transit Kombi HD, Observer1 HD, Transit MC5230HD, Transit MC5231HD06	BNC0.6/2.8FEH [SYS BOXX]
2 HD-SDI/3G-SDI, 2-pole female, <b>ground isolation, fits into D flange</b> for cable types: SC-Vector 0.8/3.7	BNC0.8/3.7FEH [SYS BOXX]
HD-SDI/3G-SDI, 2-pole female, <b>ground isolation, fits into D flange</b> , no color code possible (not shown), for cable types: SC-Vector Plus 1.2/5.0, SC-Vector Plus 1.2/4.8DZ, SC-Astral LLX, Transit MC3031, Transit MC3231	BNC1.2/5.0FEH [SYS BOXX]
HD-SDI/3G-SDI, 2-pole female, <b>ground isolation, fits into D flange</b> (not shown), for cable types: SC-Vector Plus RCB 1.6L/7.3, 1.6/7.1	BNC1.6/7.3FEH [SYS BOXX]
3 HD-SDI/3G-SDI, 2-pole, female, <b>ground isolation</b> <b>With D flange metal with M3 thread</b> for cable types: SC-Slimline (RCB), Transit, Transit Kombi HD, Observer1 HD, Transit MC5230HD, Transit MC5231HD06	BNC0.6/2.8FDH [SYS BOXX] [D]
3 HD-SDI/3G-SDI, 2-pole female, <b>ground isolation</b> <b>With D flange metal with M3 thread</b> for cable types: SC-Vector 0.8/3.7, Transit MC223HD	BNC0.8/3.7FDH [SYS BOXX] [D]
HD-SDI/3G-SDI, 2-pole female, <b>ground isolation,</b> <b>with D flange metal with M3 thread</b> for cable types: SC-Vector Plus 1.2/5.0, SC-Vector Plus 1.2/4.8DZ, SC-Astral LLX, Transit MC3031, Transit MC3231	BNC1.2/5.0FDH [SYS BOXX] [D]
HD-SDI/3G-SDI, 2-pole female, <b>ground isolation,</b> <b>with D flange metal with M3 thread</b> (not shown) for cable types: SC-Vector Plus RCB 1.6L/7.3, 1.6/7.3	BNC1.6/7.3FDH [SYS BOXX] [D]



x00508



3

**NEW!**

**BNC panel-mount jack, patch version for all 50 Ω patch cables**  
Metal housing. Corresponding color code: BNC-FC...

DESCRIPTION	ORDER NO.
4 2-pole, female <b>isolated ground</b>	BNC-FP50 [SYS BOXX]
5 2-pole, female, <b>D flange</b> metal with M3 thread <b>isolated ground</b>	BNC-FP50D [SYS BOXX] [D]



x00509



4



5

**BNC panel-mount jack, patch version for all 75 Ω patch cables**  
Metal housing. Corresponding color code: BNC-FC...

DESCRIPTION	ORDER NO.
4 2-pole, female <b>isolated ground, HDTV version</b>	BNC-FP-HD [SYS BOXX]
5 2-pole, female, <b>D flange</b> metal with M3 thread <b>isolated ground, HDTV version</b>	BNC-FPD-HD [SYS BOXX] [D]

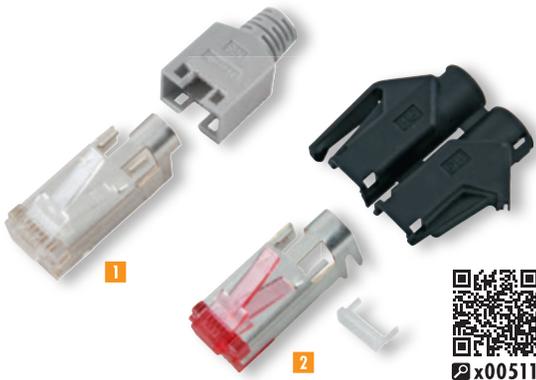
HICON ▶ Data/Network ▶ **RJ45****HICON**  
CONNECTORS

The **RJ45** plug (ISO/IEC 11801) was designed specifically for data transmission over networks. It's now indispensable for digital audio and video signals, and has become a universally standard connector in the networking (10BaseT, 100BaseTX, GBit-Ethernet) and media technology sectors.

Besides the commonly used RJ45 quality connectors from HIROSE, we also offer the ONESIZE universal connectors which can be wired quickly and easily by using a tool-free IDC clamping/cutting system. Ideal for mobile and touring-sound, and also for fitting connectors with strain relief to cables with large wire gauges for transmissions over long distances. Ready to fit all CAT.5, CAT.6a, CAT.7 patch and installation cables up to AWG22. Standardized according to ISO/IEC 11801:2002.

For these RJ45 connectors (with the sole exception of RJ45CMXL-GR) **HICON** offers a sturdy protective housing system for mobile applications.

Suitable surface- and flush-mounted frames can be found under "Multicore & Power Distribution Systems" and also under "Modular Systems" > "SYSWALL".

**RJ45 plug, crimp version**

For use with our twisted pair cables.  
Suitable crimping pliers: CZ-RJ45HR  
Matching RJ45 protective housing: HI-RJ45-HD  
When ordering, please specify your desired grommet color: black (**SW**), grey (**GR**), blue (**BL**), red (**RT**), green (**GN**).  
Otherwise we will supply the grommet in black.

**DESCRIPTION**

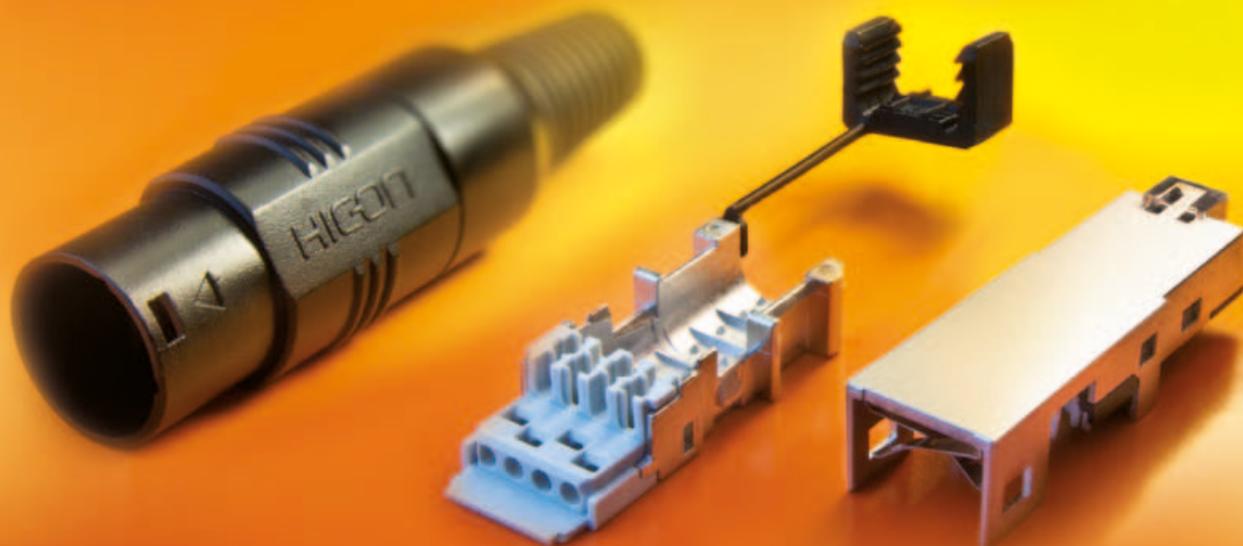
- |   | DESCRIPTION   | ORDER NO.            |
|---|---|----------------------|
| 1 | HIROSE CAT.5e, 150 MHz,<br><b>Max. cable Ø 5.8 mm, max. AWG26/7</b><br>Recommended cables: SC-Mercator CAT.5e PUR and CAT.7 PUR | <b>RJ45C5E-COLOR</b> |
| 2 | HIROSE CAT.6, 250 MHz,<br><b>Max. cable Ø 6.6 mm, max. AWG24/7</b><br>Recommended cable: SC-Mercator CAT.7 PUR                  | <b>RJ45C6-COLOR</b>  |

**HIROSE CAT.6a plug, crimp version**

500 MHz, 10 Gbit  
Suitable pliers: CZ-RJ45HR  
Recommended cable: SC-Mercator CAT.7 PUR, 581-0071  
Matching RJ45 protective housing: HI-RJ45-HD  
When ordering, please specify your desired grommet color: black (**SW**), grey (**GR**), blue (**BL**), red (**RT**), green (**GN**).

**10**  
Gbit**DESCRIPTION**

- |   | DESCRIPTION   | ORDER NO.            |
|---|---|----------------------|
| 3 | HIROSE CAT.6a, 500 MHz,<br><b>Max. cable Ø 6.6 mm, max. AWG24/7</b> | <b>RJ45C6A-COLOR</b> |



CONNECTORS



1

**RJ45 ONESIZE connector**

Metal housing.  
 IDC clamping/cutting, **no tools required for installation.**  
 CAT.6a/10 Gbit/IP20.  
 May be configured according to T568A or T568B  
 Also suitable for Power over Ethernet PoE+ applications.  
 Recommended cable: SC-Mercator CAT.7 PUR XL, 581-0251  
 Matching RJ45 protective housing: HI-C6XL-HD



**DESCRIPTION**

1 RJ45 ONESIZE plug, metal  
 Cable Ø 5.5 – 8.5 mm, max. AWG 22

**ORDER NO.**  
**RJ45C6XL**



x00513



2



**HICON protective shell for RJ45 in XLR format**

Fits D flange RJ45 jacks from NEUTRIK  
 Plug housing: Full metal, black. Comes without RJ45 connector.

**DESCRIPTION**

2 Connector housing in XLR format for standard RJ45  
**Max. cable Ø 8.2 mm**  
 RJ45 recommendation: RJ45C6A-SW

**ORDER NO.**  
**HI-RJ45-HD**



x00515

2 Connector housing in XLR format  
**Max. cable Ø 8.2 mm**

**HI-C6XL-HD**

Fits RJ45 connector RJ45C6-XL and our network cable SSC-Mercator CAT.7 PUR XL, 581-0251, forming an ideal system for high performance mobile digital transmissions over great distances.



3

4

**Accessories for HI-RJ45-HD and HI-C6XL-HD**

**DESCRIPTION**

3 Protective cap (thermoplastic rubber TPR)  
 4 Color-coded strain relief

**COLOR**

- black
- red
- yellow
- green
- blue
- grey
- black

**ORDER NO.**

- CAP-19MM**
- HI-RC-RT**
- HI-RC-GE**
- HI-RC-GN**
- HI-RC-BL**
- HI-RC-GR**
- HI-RC-SW**



x00516



1



x00517

**RJ45 ONESIZE connector, 90° angled (4 mounting directions)**

Metal shell.

IDC clamp/cut, tool-free assembly.

CAT.6a/10 Gbit/IP20.

Pin assignment according to T568A.

also suitable for PoE+ (Power over Ethernet) applications.

Recommended cable: SC-Mercator CAT.7 PUR XL, 581-0251

10  
Gbit**DESCRIPTION**

- 1 RJ45 ONESIZE connector, metal, 90° angled  
Cable Ø 5.5 – 10.0 mm, max. AWG22

**ORDER NO.**

RJ45C6XL-A



2



x00507

**RJ45 ONESIZE connector, CAT.6**

Black plastic.

IDC clamp/cut, tool-free assembly.

CAT.6/IP20.

Pin assignment according to T568B.

**DESCRIPTION**

- 2 RJ45 ONESIZE connector, plastic  
Cable Ø 5.5 – 8.0 mm, max. AWG26-23

**ORDER NO.**

RJ45CM6-SW



3



x00518

**RJ45 ONESIZE connector, CAT.6a**

Black plastic.

IDC clamping/cutting, **tool-free assembly**.

UL94V0, CAT.6a/10 Gbit/IP20.

10  
Gbit**DESCRIPTION**

- 3 RJ45 ONESIZE connector, plastic  
Cable Ø 4.5 – 8.0 mm, max. AWG22

**ORDER NO.**

RJ45CMXL-SW



4



5



x00519

**RJ45 ONESIZE jack, Keystone snap-in format**

Full metal housing.

**DESCRIPTION**

- 4 RJ45 ONESIZE jack, CAT.6a/10 Gbit/IP20  
IDC clamping/cutting, tool-free assembly  
Recommended cables: SC-Mercator CAT.7 PUR XL 581-0251  
and SC-Mercator CAT.7 Install 580-0255F

10  
Gbit**ORDER NO.**

RJ45CFXL

- 5 RJ45 ONESIZE **patch-panel jack**, CAT.6

**ORDER NO.**

KST-RJ45C6-P

- 5 RJ45 ONESIZE **patch-panel jack**,  
CAT.6a/10 Gbit

10  
Gbit**ORDER NO.**

KST-RJ45C6A-P



6



x01494

**NEW!****RJ45 Ethernet adapter NE8FDX ↔ NE8FDX**

CAT.6a/10 Gbit, Pin assignment according to T568A.

10  
Gbit**DESCRIPTION**

- 6 RJ45 Ethernet adapter  
26 x 110 x 31 mm (WxDxH)

**ORDER NO.**

SPY-E2001



**RJ45-Coupler** class FA  
for repairs and tool-free assembly  
of LAN connectors  
Ø 5.5 – 9.0 mm  
Wire Ø 0.85 – 1.6 mm  
Mounting size SW20



**DESCRIPTION**  
1 RJ45-Coupler

**ORDER NO.**  
RJ45-COUP

x00520



**Sleeve support for RJ45 HIROSE, 90° angled**  
Black plastic.

**DESCRIPTION**  
2 Sleeve support for RJ45 HIROSE  
**90° angled left/right**  
3 Sleeve support for RJ45 HIROSE  
**90° angled up/down**

**ORDER NO.**  
RJ45-KS90LR

RJ45-KS90UD



x00521



**CAT.6a M12x1 8-pin connector**  
(IEC 61076-2-109)  
Mounting size SW18 (0.6 Nm)  
For industrial and medical-device applications



**DESCRIPTION**  
4 CAT.6a M12x1 8-pin connector  
**Cable Ø 5.5 – 9.0 mm, max. AWG26-22**

**ORDER NO.**  
M12-8MC-C6A

x00522



**Universal crimping pliers for 8-pin HIROSE RJ45 connectors**  
Strain relief and contact crimping in one pass.  
For more crimping pliers see the "Hardware and Accessories" section.

**DESCRIPTION**  
5 Crimping pliers **RJ45 CAT.5e, CAT.6 and CAT.6a**

**ORDER NO.**  
CZ-RJ45HR



x00523

HICON ▶ Data/Network ▶ FIBER

HICON  
CONNECTORS

CONNECTORS



*Everything is getting easier...*

... because the **HICON HI-FIBER** connector receives 4-fiber cables, and with minimal practice, you can do your own on-site repairs. Our road-proof HICON HI-FIBER connecting system is based on 4 LC fiber-optic lines that are protected by a robust, compact metal housing. It consists of a connector and a panel-mount jack in the compact D flange format, which can also be used as a universal cable coupling system for making extensions (cascading). With this jack you can also link the **HICON HI-FIBER** system with a maximum of 4 conventional LC cables (or alternatively two LC-Duplex lines) and connect it to existing LC systems or LC/ST, LC/SC adapters – simply plug in LC and you're ready to go.

The **HI-FIBER4-MC** connector can be fitted with a maximum of 4 LC connectors which are assembled and pushed into the quad fixture after inserting the cable. The protective sleeve will protect the sensitive fiber system from dirt and damage. Simply line up the connector with the indentation, insert it into the jack, and press the push-pull ring forward to lock it. As strain relief and cable sleeve support we use the proven standard cable screw joint (M16 x 1.5) which easily accepts up all common 4-fiber cable gauges from 5 to 9 mm / 0.197" to 0.354" (Patent applied for). If you know already how to assemble LC connectors, you can finish the **HI-FIBER4-MC** as well. However, we advise you to attend our reasonably-priced half-day seminars on the **SOMMER** premises, where you will not only earn a certificate, but will also receive real-world practical tips, tricks, and tool recommendations.

Following your certification you will automatically be admitted to our HI-FIBER support network, which users can access on our website (such as, for emergencies).

In the first section of the **SOMMER CABLE** catalog you will find suitable 4-fiber cable for installation (PE, LSZH) and mobile applications (PUR, PMB) under "Bulk Cable – Various". We also offer you ready-made HI-FIBER systems in the sections "Ready-made Cables" and "Multicore & Power Distribution Systems".

#### Your benefits at a glance:

- » **Robust, compact field connection system** for optical transmissions
- » Complete with **dirt protection cap**
- » Comfortable **push-pull quick-release mechanism**
- » Sealed system with **Ingress Protection Code of IP68** when plugged in
- » **High packing density**, chassis-mount jack in **D flange format** – rear mountable
- » **Chassis-mount jack** and **universal in-line cable coupling in one**
- » **Easy connection** to existing LC systems
- » Assembly and modifications can be made by any experienced fiber-optic technician (LC)
- » Cost effective user assembly training available



**CAUTION:** Avoid direct eye contact by all means – retinal hazard!



**DESCRIPTION**

**1 4 x LC connector housing, IP68 protection class**  
incl. protective cap, w/o LC connector.  
For cable Ø 5 - 9 mm.  
Recommended cable: SC-Octopus-G 590-0111-04(-OM3)  
and 590-0311-04(-OM3)  
Matching color code rings: HI-UC-COLOR.  
For detailed information please see the HICON  
summary page at beginning of the chapter

**ORDER NO.**

**HI-FIBER4-MC**



x00524

**2 & 3 : LC connector, fits HI-FIBER4-MC**  
(for a full configuration 4 are needed):

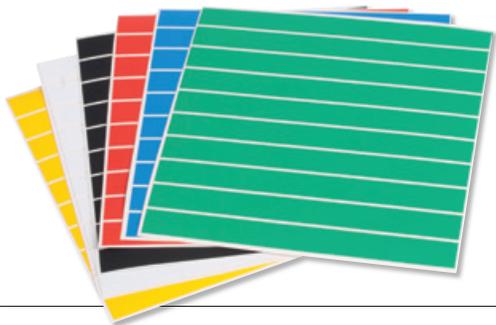
**2 For all multimode fibers of all grades** **HI-LC01**

**3 For all singlemode fibers of all grades** **HI-LC02**

**4 4 x LC coupling** for installation and extension **HI-FIBER4-FD**  
D-flange with 2 x M3 thread and 2 x M3 counterbore

**5 Protective cap with fastening cord** **HI-FIBER4-FCAP**  
for LC coupling HI-FIBER4-FD

**6 Gasket for dust and water** **SCDPO**  
for LC coupling HI-FIBER4-FD



**Color-coding for the HI-FIBER4-MC**

**COLOR CODE**

- Red
- Yellow
- Green
- Blue
- Black
- White

**ORDER NO.**  
**10-pack**

**HI-FC-RT**

**HI-FC-GE**

**HI-FC-GN**

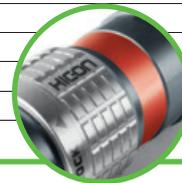
**HI-FC-BL**

**HI-FC-SW**

**HI-FC-WS**



x00526



Colored strips in black, white and yellow are also available with your custom-printed text.  
Ask us about it!



**DESCRIPTION**

**7 Professional toolbox** for HI-FIBER4 system containing:  
Syringe, cannula, AlcoPads, fiber stripper, stripping tool, aramid scissors, epoxy adhesive, polishing foils and disc, drying cabinet, microscope 200x etc.

**ORDER NO.**

**HI-WLC-SET**



x00528

**8 One-click cleaner** for fiber-optic plugs, also in recessed position, **without disassembly.** **FIBERCLEAN**

**9 200 Cleaning wipes** **FIBERWIPES**  
for all optical fiber endings

**Mounting adapter Connection**

**ORDER NO.**



x00530



**[SYS BOXX]**

4xLC ↔ 4xLC patch coupling, singlemode, metal, fits into **SYSBOXX** front panel SBF-2-1-1GF:

4 x

**GF-LC4LC4-FF**

**Mounting adapter Connection**

**ORDER NO.**



x00531



**[SYS BOXX]**

2xSC ↔ 2xSC Duplex patch coupling, singlemode, metal, fits into **SYSBOXX** front panel SBF-2-1-1GF:

2 x Duplex

**GF-SC2SC2-FF**

CONNECTORS

HICON ▶ A/V Accessories ▶ **UNIVERSAL D FLANGE and COLOR CODING****HICON**  
CONNECTORS

All **HICON** products labelled with the **SYSBOXX** logo can be mounted into the recessed D flange HI-DET or HI-DET-M (Metal version with M3 thread) and will therefore fit into our modular **SYSBOXX** system box (see the "Multicore & Power Distribution Systems" section). The hole diameter of 12.5 mm / 0.5" takes all audio, video, FOC and DATA panel-mount connectors with 1/2" outside thread. For this we recommend our mounting tool WSW16.

The matching color-coded rings in 11 different tones allow you to create your own identifying system. **HICON** also offers a low-price D dummy cover, available either with **SOMMER CABLE** or **HICON** front logo or no logo.

**Mounting examples with HI-DET and color-coded rings**  
(from top left to bottom right):

- 1 x RCA F-BAS (yellow)
- 3 x BNC (RGB color code)
- 1 x FOC-ST connector (orange)
- S-VHS Hosiden (neutral)
- 2 x RCA Audio (white, red)



x00536

**Color-coding rings for HI-DET/HI-DET-M****SYS BOXX****COLOR**

- Red
- Orange
- Yellow
- Brown
- Green
- Blue
- Grey
- White
- Mint green
- Pink
- Violet

**ORDER NO.  
per pc.**

**HI-DR-RT**  
**HI-DR-OR**  
**HI-DR-GE**  
**HI-DR-BR**  
**HI-DR-GN**  
**HI-DR-BL**  
**HI-DR-GR**  
**HI-DR-WS**  
**HI-DR-MN**  
**HI-DR-PN**  
**HI-DR-VI**



x00537

**Universal D flange, recessed, with 12.5 mm opening diameter****DESCRIPTION**

Universal D flange  
**Plastic version**  
Universal D flange  
**Metal version** with M3 thread

**ORDER NO.**

**HI-DET**  
**SYS BOXX** **D**  
**HI-DET-M**  
**SYS BOXX** **D**

**D flange dummy cover**

Plastic version.

**SYS BOXX** **D****DESCRIPTION**

- D flange for rear panel flush mounting with **2.0 mm raised SOMMER CABLE logo**
- D flange **w/o logo, flat**
- D flange for rear panel flush mounting with **2.0 mm raised HICON logo**
- D flange **with PG13 holes**
- D flange **with M16 holes**
- D flange **with D hole for BNC etc.**

**ORDER NO.**

**HI-DAS**  
**HI-DAH1**  
**HI-DAH2**  
**HI-DAPG13**  
**HI-DAM16**  
**HI-DAE**



x00538



x00540

**Universal housing for D flange**

Metal version. Complete with Torx screws.  
Ideal for small adapters, possibly with integrated circuit, DI boxes etc.

**DESCRIPTION**

Universal housing for D flange, 100 mm long  
Universal housing for D flange, 65 mm long

**ORDER NO.**

**HI-HOUSING**  
**HI-HOUSING-S** **NEW!**

HICON ▶ A/V Accessories ▶ **SWITCHES/PUSHBUTTONS/POTENTIOMETERS with D FLANGE**



The rocker switches and push-buttons in the practical D flange format below are the perfect choice for fixed installations and event technology, and compatible with the SYS housing series.



Material: Switch polyamide / D flange metal  
 Insulation resistance: > 100 MΩ / 500 VDC  
 Voltage-proof: 1000 VAC / 1 min  
 Connection: Blade terminal 4.8 x 0.8 mm / 0.189" x 0.031"  
 Standards: UL 94 V2, RoHS



**Switches/toggle switch, D flange type**  
Metal.



DESCRIPTION	ORDER NO.
1 Switch 1-pole on/off <b>6 A / 250 VAC</b>	HI-SW01
2 Switch <b>2-pole</b> on/off <b>10 A / 250 VAC</b>	HI-SW02
3 Switch 1-pole on/off/on <b>6 A / 250 VAC</b>	HI-SW04
4 <b>Toggle switch</b> 1-pole on/off <b>6 A / 230 VAC</b>	HI-SW06



**Switch LED, D flange type**  
Metal.



DESCRIPTION	ORDER NO.
5 Switch LED <b>green</b> 1-pole on/off <b>10 A / 12 VDC</b>	HI-SW03-GN
6 Switch LED <b>red</b> 1-pole on/off <b>10 A / 12 VDC</b>	HI-SW03-RT
7 Switch Glow lamp <b>red</b> 2-pole on/off <b>10 A / 250 VAC</b>	HI-SW05-RT
8 Switch Glow lamp <b>yellow</b> 2-pole on/off <b>10 A / 250 VAC</b>	HI-SW05-GE
9 Switch Glow lamp <b>green</b> 2-pole on/off <b>10 A / 250 VAC</b>	HI-SW05-GN



**Fuse holder, D flange type**  
Metal.



DESCRIPTION	ORDER NO.
10 Fuse holder <b>5 x 20 mm, 230 V max. 10 A</b>	HI-SI01



**Pushbutton, D flange type**  
Metal.



DESCRIPTION	ORDER NO.
11 Pushbutton <b>black</b> 1-pole on (off) <b>1.5 A / 250 VAC</b>	HI-TA01-SW
12 Pushbutton <b>red</b> 1-pole on (off) <b>1.5 A / 250 VAC</b>	HI-TA01-RT



**Potentiometer, D flange type**  
Metal.



DESCRIPTION	ORDER NO.
<b>HIGH END Stereo</b> potentiometer, <b>blue</b> <b>50 kΩ linear, 90 dB</b>	HI-PT01-BL
13 <b>HIGH END Stereo</b> potentiometer, <b>red</b> <b>50 kΩ linear, 90 dB</b>	HI-PT01-RT
<b>HIGH END Stereo</b> potentiometer, <b>grey</b> <b>50 kΩ linear, 90 dB</b>	HI-PT01-GR
<b>BASIC</b> potentiometer, <b>blue</b> <b>50 kΩ linear, 90 dB</b>	HI-PT02-BL
<b>BASIC</b> potentiometer, <b>red</b> <b>50 kΩ linear, 90 dB</b>	HI-PT02-RT
14 <b>BASIC</b> potentiometer, <b>grey</b> <b>50 kΩ linear, 90 dB</b>	HI-PT02-GR



**Chassis-mount MIDI jack, D-flange type, solder version**  
All-metal housing.



DESCRIPTION	ORDER NO.
15 Chassis-mount MIDI jack, 5-pin	HI-MIDI-EFD



CONNECTORS

Connectors ▶ Digital ▶ **KEYSTONE PANEL-MOUNT SNAP-IN CONNECTORS**

[SYS BOXX]

*It's a snap!*

The super compact snap-in connectors in the Keystone format can be used in special 19" rack panels, Keystone jack wall plates, as well as in all SYSStems such as **SYSBOXX**, **SYSDESK**, **SYSWALL**, **SYSFLOOR**, etc. With the KST-D these connectors can also be mounted into all D holes.

Now flexibility is a snap! The most complex **configurations** can be realized in **audio/video installations with the greatest of ease!**



x00551

**ORDER NO. DESCRIPTION**

<b>1</b>	<b>KST-AFAF-P-COLOR*</b>	Antenna fem. ↔ Antenna fem., patch
<b>2</b>	<b>KST-AMAM-P-COLOR*</b>	Antenna male ↔ Antenna male, patch
<b>3</b>	<b>KST-BEF-RT</b>	Banane fem. ↔ Solder/push-on connection, red
	<b>KST-BEF-SW</b>	Banane fem. ↔ Solder/push-on connection, black
<b>4</b>	<b>KST-BNBN-P-COLOR**</b>	BNC fem. ↔ BNC fem., patch
<b>5</b>	<b>KST-BNBN-C-COLOR**</b>	BNC fem. ↔ BNC fem. at the cable 0.2 m
<b>6</b>	<b>KST-BNCL-P-COLOR**</b>	BNC fem. ↔ RCA fem., patch
<b>7</b>	<b>KST-CICI-P-COLOR**</b>	RCA fem. ↔ RCA fem., patch
<b>8</b>	<b>KST-CICI-C-COLOR**</b>	RCA fem. ↔ RCA fem. at the cable 0.2 m
<b>9</b>	<b>KST-CI-S-COLOR**</b>	RCA fem. ↔ Plug-in/screw terminal
<b>10</b>	<b>KST-FSFS-P-COLOR*</b>	F socket ↔ F socket, patch
<b>11</b>	<b>KST-HDHD-P1-COLOR*</b>	HDMI fem. ↔ HDMI fem., patch
<b>12</b>	<b>KST-HDHD-P2-WS</b>	HDMI fem. ↔ HDMI fem., <b>short installation depth</b> , white, patch
<b>13</b>	<b>KST-HDHD-C-COLOR**</b>	HDMI fem. ↔ HDMI fem. at the cable 0.2 m
	<b>KST-DMDP-C</b>	Display port mini female ↔ display port male on cable 2.0 m (not shown)
<b>14</b>	<b>KST-J3J3-P-COLOR*</b>	3.5 mm Stereo mini jack fem. ↔ 3.5 mm Stereo mini jack fem., patch
<b>15</b>	<b>KST-J3-S-COLOR*</b>	3.5 mm Stereo mini jack fem. ↔ Plug-in/screw terminal
<b>16</b>	<b>KST-J3J3-C-COLOR**</b>	3.5 mm Stereo mini jack fem. ↔ 3.5 mm Stereo mini jack fem. at the cable 0.2 m
<b>17</b>	<b>KST-J3CI-C-COLOR**</b>	3.5 mm Stereo mini jack fem. ↔ 2 x RCA fem. at the cable 0.2 m
<b>18</b>	<b>KST-L1L1-P-COLOR*</b>	SC fem. ↔ SC fem., LWL Simplex, patch
<b>19</b>	<b>KST-L3L3-P-COLOR*</b>	LC fem. ↔ LC fem., LWL Duplex, patch
<b>20</b>	<b>KST-2LS</b>	2 x Loudspeaker panel connector, color coding red-black (set), clamping terminal max. 1.5 mm <sup>2</sup> , rear solder tail

**ORDER NO. DESCRIPTION**

<b>21</b>	<b>KST-RJ45C5-P</b>	RJ45 fem. ↔ RJ45 fem., fully shielded, CAT.5e, patch
	<b>KST-RJ45C6-P</b>	RJ45 fem. ↔ RJ45 fem., fully shielded, CAT.6, patch
	<b>KST-RJ45C6-P-90</b>	RJ45 fem. ↔ RJ45 fem., fully shielded, CAT.6, patch, <b>90° angled</b>
	<b>KST-RJ45C6A-P</b>	RJ45 fem. ↔ RJ45 fem., fully shielded, CAT.6a, patch
<b>22</b>	<b>KST-UTPC6-P-SW</b>	ISDN, RJ45 fem. ↔ RJ45 fem., unshielded, CAT.6 downward compatible, patch
<b>23</b>	<b>KST-SVSV-P-COLOR*</b>	S-VHS, Hosiden 4 fem. ↔ S-VHS Hosiden 4 fem., patch
<b>24</b>	<b>KST-TLTL-P-COLOR*</b>	TOSLINK fem. ↔ TOSLINK fem., patch
<b>25</b>	<b>KST-UAUA-P1-COLOR*</b>	USB A fem. ↔ USB A fem., patch
<b>26</b>	<b>KST-U3AU3A-P-COLOR*</b>	USB 3.0 A fem. ↔ USB 3.0 A fem., patch
	<b>KST-U3AU3A-C</b>	USB 3.0 A fem. ↔ USB 3.0 A male at cable end 0.5 m
	<b>NEW!</b>	
<b>27</b>	<b>KST-FWFW-P</b>	Firewire fem. ↔ Firewire fem., patch
<b>28</b>	<b>RJ45CFXL</b>	RJ45 CAT.5/CAT.6/CAT.7 ONESIZE socket LSA, full metal housing, compatible with Keystone format for network cabling AWG 26 - 22, max. Ø 8.0 mm
<b>29</b>	<b>RJ45CFXL-90</b>	Downward outlet 90°
<b>30</b>	<b>RJ45CFXL-270</b>	Upward outlet 90°
<b>31</b>	<b>KST-CAP-WS</b>	Closing cap / dummy plug, white
	<b>KST-CAP-SW</b>	Closing cap / dummy plug, black
<b>32</b>	<b>KST-D</b>	D-flange with Keystone slot
<b>33</b>	<b>KST-DR</b>	D-flange with Keystone slot for reverse mounting

Multiple mounting frames for floor-box systems and 19" racks can be found at the end of the "Multicore & Power Distribution Systems" chapter and in the "Modular Systems" section.

\* please specify color:    ■ black (-SW)    □ white (-WS)

\*\* please specify color:    ■ red (-RT)    ■ green (-GN)    ■ yellow (-GE)    ■ blue (-BL)    ■ black (-SW)    □ white (-WS)

**TRANSFORMER TECHNOLOGY**



These German-made microphone-splitter transformers are custom-manufactured for **SOMMER CABLE** and excel by their linearity, minimal oscillation tendency and low coil impedances. The housings are designed for print mounting, incorporate MU-metal screening and thus guarantee optimal shielding from interfering signals. We also supply the matching single circuit boards for the SOMMER transformers – the SOMMER SPLIT BOARD for DIY assembly. This board is designed both for the 1:1 SPLIT and the 1:1+1 SPLIT in connection with a NEUTRIK NC3FDH and is also available as a 4-channel version with 30 mm / 1.181" contact spacing for single-channel split solutions up to multi-channel splitter systems.

For extremely demanding applications, we recommend the transformers from the Swedish manufacturer LUNDAHL. The **LL1570** type is designed for microphone-splitter applications with a maximum input level of +16 dBu and the **LL5402** is a special line-splitting transformer for max. line levels of 22 dBu (distortion < 1% at 50 Hz). We supply both models separately or on a ready-made 4-channel board with resonance attenuation and signal isolation. The 4-channel modules have been optimized for use in SYSBOXX housings; these can be found in the "Modular Systems" section. Both transformers fully comply with all broadcasting specifications.

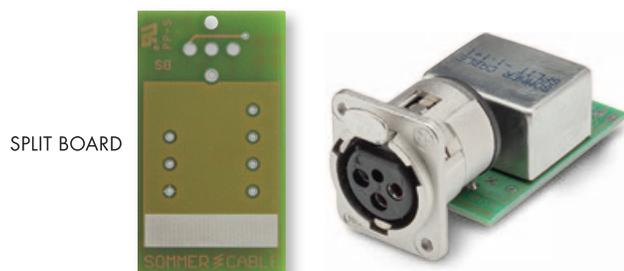


TECHNICAL DATA	SPLIT 1:1	SPLIT 1:1+1	LL1570	LL5402
Application:	Microphone transmission	Microphone transmission	Microphone transformer	Line transformer
Transformer type:	1:1	1:1+1	1+1:1+1	1+1:1+1
Housing screen:	MU-metal	MU-metal	MU-metal	MU-metal
Footprint (approx.):	28 x 23 mm	28 x 23.5 mm	38 x 24 mm	43 x 28 mm
Height (approx.):	17 mm	17 mm	17 mm	21 mm
Input / source:	600 Ohm	600 Ohm	600 Ohm	600 Ohm
Output / load:	10 kOhm	10 kOhm	1 kOhm	600 Ohm
max. level:	+12 dB	+12 dB	+16 dB	+22 dB
Distortion:	< 1.0% @ 40 Hz	< 1.0% @ 40 Hz	< 1.0% @ 50 Hz	< 0.1% @ 50Hz
Frequency response:	40 - 15,000 Hz (±0.5 dB)	40 - 15,000 Hz (±0.5 dB)	10 - 200,000 Hz (±0.5 dB)	20 - 40,000 Hz (±0.3 dB)
Test voltage coil/coil:	500 V	500 V	4 kV	4 kV
Test voltage coil/core:	500 V	500 V	2 kV	2 kV
<b>ORDER NO.</b>	<b>SPLIT-1:1</b>	<b>SPLIT-1:1+1</b>	<b>LL1570</b>	<b>LL5402</b>

**Suitable board for DIY assembly:**

ORDER NO.	SPLIT-BOARD*	SPLIT-BOARD
-----------	--------------	-------------

\* When using the SPLIT 1:1 on the SPLIT-BOARD, only output 2 is wired.

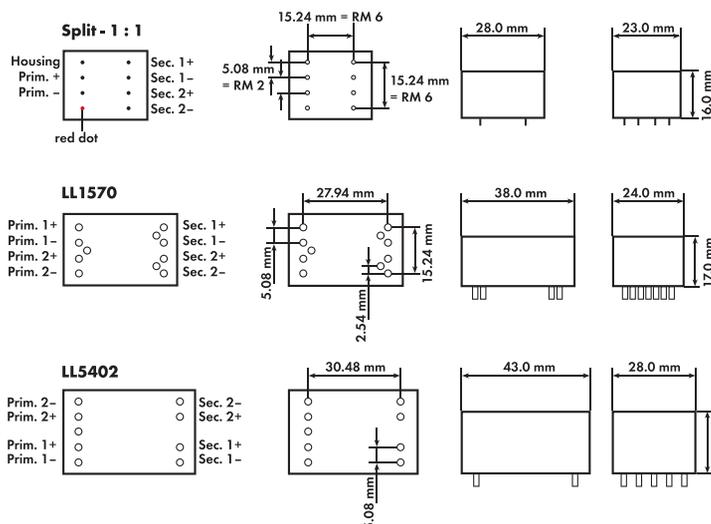


**Ready-assembled transformer boards**

1-channel	ORDER NO.
SOMMER SPLIT 1:1	<b>SPLIT-B-1:1</b>
SOMMER SPLIT 1:1+1	<b>SPLIT-B-1:1+1</b>
<b>4-channel [SYSBOXX]</b>	
SOMMER SPLIT 1:1 / 4-channel mic-splitter board	<b>SBC13-4XF1:1S</b>
SOMMER SPLIT 1:1+1 / 4-channel mic-splitter board	<b>SBC13-4XF1:1+1S</b>
Lundahl LL1570 / 4-channel mic-splitter board	<b>SBC13-4XF1:1+1L</b>
Lundahl LL5402 / 4-channel L line-splitter board	<b>SBC13-4XM1:1L</b>



Dimensions, contact spacings and pin assignment of transformers



**4-channel with 1.181" hole spacing, to fit our BLACKBOXX, PLUG MAMA and THE BOXX MKII enclosure series (see section on "Modular Systems")**



4-channel	ORDER NO.
Connector module. Clamping terminal with 4 x XLR f with 1:1 transformer.	<b>IBC-4XF1:1S</b>



The well-established German company **TELEGÄRTNER** has seven branches worldwide. They are famous for a huge variety of top-quality 50 Ω connectors. This likeable and professionally structured company is a market leader in the field of SMA/SMB and 50 Ω technology, and we also highly recommend their 75 Ω connectors.

**SOMMER CABLE** is an official distribution partner for **TELEGÄRTNER** GmbH. Therefore, we can offer you the complete product range and good service. We also have the benefit of proximity, as **TELEGÄRTNER** GmbH is barely an hour's drive from **SOMMER CABLE**.

Telegärtner ▶ Video ▶ **BNC**



### BNC 75 Ω cable plug crimp

for cable (suitable tool) ORDER NO.



Cinema-SV, Transit Mini Flex, Transit Mini Kombi, Transit Mini Control, Transit MC 72491, SC-Kinetic, Intercom Mini, RG179A/U, SC-Monomax (HT-CRIMPSET) **BNC0.3/1.8-T**



Transit MC 113, 123 HD, 343 (HT-CRIMPSET) **BNC0.4/2.5-T**



SC-Slimline (RCB), Transit, Transit Kombi HD, Observer 1 HD, Transit MC 523 HD, Transit MC 8232 (HT-CRIMPSET) **BNC0.6/2.8-T**



SC-Slimline (RCB), Transit, Transit MC 523 HD/8232, Transit Kombi HD, Observer 1 HD (HT-CRIMPSET) **BNC0.6/2.8HDTV-T**



SC-Vector 0.8/3.7, Transit 5231 HD (HT-CRIMPSET) **BNC0.8/3.8HDTV-T**



SC-RCBS 1.0/4.8, Transit 2005 **BNC1.0/4.6HDTV-T**



SC-Visionline (HT-106H) **BNC1.0/6.6-T**



SC-Vector Plus 1.2/5.0, SC-Astral LLX, SC-Vector Plus 1.2L/4.8DZ, Transit MC 3031/3231 **BNC1.2/5.0-T**



SC-VECTOR PLUS RCB 1.6/7.3 (HT-CRIMPSET) **BNC1.6/7.3HDTV-T**



RG11A/U (HT-CRIMPSET) **BNC11-T**

### BNC 75 Ω cable socket crimp

for cable (suitable tool) ORDER NO.



Cinema-SV, Transit Mini Flex, Transit Mini Kombi, Transit Mini Control, Transit MC 72491, SC-Kinetic, Intercom Mini, RG179A/U, SC-Monomax (HT-CRIMPSET) **BNC0.3/1.8FK-T**



Transit MC 113, 123 HD, 343 (HT-CRIMPSET) **BNC0.4/2.5FK-T**



x00555

### BNC 50 Ω cable plug crimp

for cable (suitable tool) ORDER NO.



RG8/U (HT-CRIMPSET) **BNC213-T**



RG213/LL (HT-CRIMPSET) **BNC213LL-T**



x00556

Telegärtner ▶ Video ▶ **Mini-BNC** **NEW!**

### 6G-SDI broadcast, MINI BNC 75 Ω cable plug crimp

The MINI BCNs are approximately 50 % smaller than the conventional version and they allow four times the packing density compared to the standard BNC.

Recommended cable: **SC-VECTOR 0.8/3.7**

ORDER NO.	DESCRIPTION
<b>BNC0.8/3.7-M-6G</b>	6G-SDI, 2-pole male, <b>MINI</b>



x00554



Telegärtner ▶ Video ▶ **BNC EasyGrip**

3G-SDI



The specially designed BNC EasyGrip connectors have outstanding transmission properties up to 3 GHz and are therefore HDTV-capable. Furthermore they are compatible with all conventional 75 Ω BNC connections. Due to a reduced diameter at the rear, the particularly slim design allows for an extremely high packing density as well as easy access for plugging and unplugging.

The robust zinc die-cast housing offers a reliable protection against mechanical-strain damage, while the integrated sleeve support ensures a long cable life. The connectors are waterproof and dustproof according to the IP67 "Ingress Protection Code". They are especially suited for professional use in studios, in broadcast vans, and remote trucks at major events.

**BNC-EasyGrip crimp connector for cable (suitable tool)**

**ORDER NO.**

SC-Slimline (RCB), Transit, Transit Kombi HD, Observer 1 HD, Transit MC523HD, Transit MC8232 (WCZ1200 + WEC-HD3G-0628)	<b>BNC0.6/2.8HD3G-T</b>	
		x00558

SC-Vector 0.8/3.7, Transit 5231 HD (WCZ1200 + WEC-HD3G-0837)	<b>BNC0.8/3.7HD3G-T</b>	
--	-------------------------	--

SC-Vector Plus 1.2/5.0, SC-Astral LLX, Transit MC3031, Transit MC3231 (WCZ1200 + WEC-HD3G-1250)	<b>BNC1.2/5.0HD3G-T</b>	
---	-------------------------	--

**ORDER NO. -COLOR Matching sleeve supports**

<b>KS02-COLOR</b> for BNC0.6/2.8HD3G-T and BNC0.8/3.7HD3G-T	
<b>KS04-COLOR</b> for BNC1.2/5.0HD3G-T	x00560

please specify color: ■ red (-RT) ■ green (-GN) ■ yellow (-GE) ■ blue (-BL) ■ violet (-VI)

**ORDER NO. Suitable crimping pliers and exchangeable inserts**

<b>WCZ1200</b> Crimping pliers, incl. case	
<b>WEC-HD3G-0628</b> Insert for BNC0.6/2.8HD3G-T	
<b>WEC-HD3G-0837</b> Insert for BNC0.8/3.7HD3G-T	
<b>WEC-HD3G-1250</b> Insert for BNC1.2/5.0HD3G-T	x00562



Telegärtner ▶ **SMA / TNC / MCXM / N CONNECTORS**



→ **TNC**

The **TNC** connector is mostly used for transmissions beyond 11 GHz. **TNC** connectors are vibration-resistant and used for signal, data and video transmissions. When mating the pattern between plug and socket, they comply with the IP68 protection code standard. Nearly all other common **TNC** types can be shipped within a few days.

→ **SMA**

These connectors are the most dependable connectors in the fields of mobile radio, W-LAN, satellite technology and in metrology. **SMA** connectors have the specific wave impedance of 50 Ω and function in a frequency range of 18 GHz.

→ **SMB/SMC/SMS**

**SMB** connectors feature a snap-on technology to ensure a fast and yet safe connection and can be used for frequencies up to 4 GHz. We stock the most common **SMA** and **SMB** types and will gladly offer them to you prefabricated as well. **SMC** connectors have vibration-resistant bolted connections and can be used for frequencies of up to 10 GHz.

**SMS** connectors are push-in connectors which require very little push and pull forces. They can be used for frequencies up to 4 GHz. **SMS** and **SMC** connectors are available on request.

ORDER NO.	SMA Connectors for RG316/50 Ω
<b>1 SMAF316-AU</b>	SMA Crimp cable socket, genuine gold-plated, PTFE-insulated
<b>2 SMAFR316-AU</b>	SMA Crimp cable socket, genuine gold-plated, PTFE-insulated, Reverse polarity
<b>3 SMAMR316-AU</b>	SMA SMA Crimp cable plug, genuine gold-plated, PTFE-insulated, Reverse polarity
<b>SMBM174</b>	SMB Crimp cable plug for RG174/U (not shown)



ORDER NO.	TNC Connectors for RG316/50 Ω
<b>TNCFR316</b>	TNC Reverse crimp cable socket, PTFE-insulated (not shown)



ORDER NO.	MCXM Connectors for RG316/50 Ω
<b>4 MCXMA316-AU</b>	MCXM Crimp cable plug, genuine gold-plated, PTFE-insulated
<b>5 MMCXM316-AU</b>	MMCXM Crimp cable plug, genuine gold-plated, PTFE-insulated
<b>6 MMCXMA316-AU</b>	MMCXM Crimp cable plug, genuine gold-plated, PTFE-insulated



ORDER NO.	N Connectors for RG316/50 Ω
<b>7 NF316</b>	NCrimp cable socket, PTFE-insulated



CONNECTORS

## DAMAR &amp; HAGEN



The connectors of this German manufacturer are like the "Rolls Royce" of coaxial connectors.

**DAMAR & HAGEN** has an outstanding reputation worldwide for their triaxial connectors, which are virtually indestructible and easy to mount.

For more detailed technical information, refer to the **DAMAR & HAGEN** catalog.

Below, you'll find summarized descriptions of their products with photo illustrations. As an official distribution partner of **DAMAR & HAGEN**, we're proud to supply most German radio and TV stations with **SOMMER CABLE** and **DAMAR & HAGEN** systems.

Damar & Hagen ▶ Video ▶ **BNC**

Founded in 1922, **DAMAR & HAGEN** is still regarded by many TV and radio stations as the ultimate producer of video technology, and among the most important broadcast suppliers throughout Europe.

All of their audio & video connectors are well-engineered in every detail and have stood the test of time. Designed for extremely high durability, they feature a huge number of mating cycles and perfect transmission of even the most delicate signals. The connectors are made from hard gold-plated brass for the contact pins, hard gold-plated beryllium bronze for the socket contacts and a corrosion-proof alloy coating for the outer conductor.

**BNC 50 Ω**

The HF plug-in connection with 50 Ω technology is used for flexible coaxial lines of 2 - 11 mm / 0.079" - 0.433" outer diameter in telecommunications and metrological systems and devices in the frequency range of up to 4 GHz. These connectors with a bayonet lock are small, lightweight and humidity-proof.

BNC 50Ω connector	for cable (suitable tool)	ORDER NO.
	RG8, RG213, RG214 (HT-CRIMPSET)	<b>1-2153-2200-1</b>
	RG58 (HT-CRIMPSET)	<b>1-1010-2200-1</b>

The **DAMAR & HAGEN** BNC/DS connector series are suitable for digital video transmissions (SDI) and BNC/HD for HDTV applications; they have been tested several times by independent laboratories and become benchmarks within our industry. These connectors are compatible with all current BNC connectors.

**SOMMER CABLE** is an official distribution partner of **DAMAR & HAGEN** and we can deliver almost all standard connectors from our warehouse in Straubenhardt.

**ELECTRICAL PROPERTIES**

Wave impedance:	50 Ω
Frequency range:	0 - 4 GHz
Reflection factor:	< 0.11 (plug-socket mated)
Contact connection/crimp:	Inner conductor < 2 MΩ Outer conductor < 0.25 MΩ
Insulation impedance:	> 5 GΩ at 1000 V
Operating temperature range:	-60°C...+125°C / -76°F...+257°F

BNC 50Ω connector	for cable (suitable tool)	ORDER NO.
	RG174 (HT-CRIMPSET)	<b>1-1006-2200-1</b>



☒ x00573

**BNC 75 Ω (HD) for HD-SDI and 3G-SDI applications**

These BNC/HD Series connectors for "High Definition" are used for serial digital video transmission. The gold-plating on both inner and outer conductors enhances the HF properties such as the "skin effect". Using a second spring washer, the connectors in this series produce a greater, vibration-free axial surface pressure, making them especially fitting for applications in broadcast vans.

**ELECTRICAL PROPERTIES**

Wave impedance:	75 Ω (High Definition)
Frequency range:	0 - 9 GHz or. 3 Gbit resp.
Reflection factor:	< 0.15 (plug-socket mated) to 3 GHz
VSWR to 3 GHz:	≤ 1.09 / ≥ 27 dB
Contact connection/crimp:	Inner cond. < 2 MΩ; Outer cond. < 0.15 MΩ
Insulation impedance:	> 10 <sup>6</sup> MΩ at 1000 V
Operating temperature range:	-60°C...+125°C / -76°F...+257°F

HD-SDI

BNC 75 Ω connector	for cable (suitable tool)	ORDER NO.
	SC-Slimline (RCB), Transit, Transit Kombi HD, Transit MC 523 HD, BNC0.6/2.8 HD-SDI/HDTV, Observer 1 HD, Transit MC 8232 (HT-CRIMPSET)	<b>1-6051-2100-1</b>
	SC-Focusline, SC-Altera Split, Transit MC 120, BNC0.6/3.7 HD-SDI/HDTV (HT-CRIMPSET)	<b>1-6053-2100-1</b>
	SC-Vector Plus 1.2/5.0, 1.2/4.8DZ, Transit MC 3231 BNC1.2/5.0 HD-SDI/HDTV straight	<b>1-7090-2100-1</b>



☒ x00575

**BNC 75 Ω**

The BNC 75 Ω HF connectors for flexible coaxial lines of 3 - 11 mm outer diameter offers numerous possible applications in the frequency range of up to 4 GHz.

**ELECTRICAL PROPERTIES**

Wave impedance: 75 Ω  
 Frequency range: 0 - 4 GHz  
 Reflection factor: < 0.11 (plug-socket mated)  
 Contact connection/crimp: Inner conductor < 2 MΩ  
 Outer conductor < 0.25 MΩ  
 Insulation impedance: > 10 MΩ at 1000 V  
 Operating temperature range: -60°C...+125°C / -76°F...+257°F



BNC 75Ω connector	recommended tool for cable	ORDER NO.
	RG6 (HT-CRIMPSET)	1-1194-2100-1
	RG11, RG216 (HT-CRIMPSET)	1-2242-2100-1
	RG59, SC-Classic Control (HT-CRIMPSET)	1-1190-2100-1
	RG179 (HT-CRIMPSET)	1-1184-2100-1

BNC 75Ω connector	recommended tool for cable	ORDER NO.
	BNC0.4/1.8 (HT-CRIMPSET)	1-4326-2100-1
	Transit MC 113, 123 HD, 343 BNC0.4/2.5 (HT-CRIMPSET)	1-1186-2100-1
	SC-Slimline (RCB), Transit, Transit Kombi HD, Transit MC 523 HD, 343, Observer 1 HD BNC0.6/2.8 (HT-CRIMPSET)	1-5126-2100-1
	Transit Mobile PUR BNC0.66/3.2 * (HT-CRIMPSET)	1-1189-2100-1
	SC-Focusline PUR BNC0.75/3.4 * (HT-CRIMPSET)	1-2457-2100-1
	SC-Visionline BNC1.0/6.6 (HT-CRIMPSET)	1-1195-2100-1

\* only for foamed dielectric!

**BNC 75 Ω patch panel-mount jacks for 3G-SDI applications**

The HF BNC patch panel-mount jacks' design maximizes safety for both mechanical and electrical operations. The high-precision components with strictly observed tolerances and genuine gold coatings guarantee super low attenuation values, a high return loss and absolutely minimal reflections. The HF-protected shell offers an ideally high degree of shielding effectiveness. Perfect for use in digital 1.5 Gbit and 3 Gbit broadcasting.

The jacks have a 1/2" outer thread (Ø 12.9 mm / 0.508") with a twist-proof D hole to match our BNC panels and **HI-DET** single flange.

BNC 75 Ω patch jack for all 75 Ω RG cables	COLOR	ORDER NO.
	Yellow	1-8357-2153-1
	Red	1-8359-2153-1
	Violet	1-8360-2153-1
	Blue	1-8361-2153-1
	Green	1-8362-2153-1
	White	1-8365-2153-1
	Black	1-8366-2153-1



**BNCpro connector – 75 Ω – 6G-SDI**

These connectors have the necessary electric properties for the transmission of 4K video formats. Constant contact pressure can be guaranteed for a service life of at least 2000 mating cycles. Both the inner and outer conductors are gold-plated and the signal path is non-magnetic. The BNCpro connectors are compatible with all common BNC connectors.



**ELECTRICAL PROPERTIES**

Wave impedance: 75 Ω  
 Frequency range: 0 - 6 GHz  
 Reflection coefficient: < 0.04 to 6 GHz  
 VSWR to 6 GHz: ≤ 1.08 / ≥ 28 dB  
 Contact terminal/crimp: Inner cond. < 3 MΩ; Outer cond. < 1 MΩ  
 Insulation resistance: > 5 GΩ  
 Operating temperature range: -65°C...+165°C / -85°F...+329°F

BNCpro 75 Ω cable plug for cables (suitable tool)	ORDER NO.
SC-Slimline 0.6/2.8 (HT-CRIMPSET)	1-8478-13100-1
SC-Vector 0.8/3.7 (HT-CRIMPSET)	1-8481-13100-1
SC-RG Classic Broadcast 1.0/4.8 (HT-CRIMPSET)	1-8482-13100-1
SC-Vector Plus 1.2L/4.8DZ, SC-Vector Plus 1.2L/5.0 (HT-CRIMPSET + HT-1250)	1-8483-13100-1
SC-Vector Plus 1.6L/7.3, SC-Vector Plus 1.6/7.0 (HT-CRIMPSET)	1-8485-13100-1



Suitable protective strain reliefs in various colors can be found on our homepage [www.sommercable.com](http://www.sommercable.com)

CONNECTORS

Multi-pin Connectors ▶ Audio ▶ **TOURLOCK + CA-COM 8-POLE + SOCA***Round and about...*

... these round multi-pin connectors are primarily used in staging professional events, for wiring multipair cables and stagebox systems to interface with one another using a separate ground wiring scheme. They can be found round and about in all places where the quality of traditional rectangular connectors won't do any more, such as:

- Professional events/outdoors
- In dirty or dusty environments, in cold or damp weather

**BENEFITS:**

- Available in 8- to 150-pin versions
- Waterproof and dustproof in accordance with Ingress Protection Code IP67
- Reliable locking with retainer nut, solid housing
- Self-centering pins for very good contact mating
- Low contact impedances ensure outstanding audio quality
- In compliance with MIL, VG, UL and railway (MIL C 5015; VG 95234)

The 8-pin version is compatible with the 8-pin CA-COM connectors. We also supply the male version without coupling sleeve to make easy extension possible with fanouts.

The 25-pin connectors are compatible with all 24-pin LK - but in this case the lower central pin must be left unconnected.

In the "Hardware & Accessories/Stagebox Empty Casings" section you will find our enclosures THE BOXX, SYSBOXX and BLACKBOXX, into which various round panel connectors may be mounted.

The contact pins and jacks must be ordered separately. Pin assignment plans and dimensions can be found in the "Support" chapter.

Other model versions and numbers of pins are available on request.

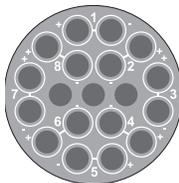
Please order strain relief/  
cable screw fixation and  
pins separately

**8-pole CA-COM version****ORDER NO. DESCRIPTION**

1	HI-LK008MP	Chassis-mount plug (male)
2	HI-LK008FP	Chassis-mount socket (female)
3	HI-LK008MV	Connector (male), w/o coupling sleeve, M32 cable outlet
4	HI-LK008FV	Cable socket (female), w. coupling sleeve, M32 cable outlet
5	HI-LK008MVR	Connector (male), w. coupling sleeve, M32 cable outlet
6	HI-LK008FVR	Cable socket (female), w/o coupling sleeve, M32 cable outlet
	HI-LKPIN-M12GL	Contact plug gold-plated for 8-pole, 2.5 - 4 mm <sup>2</sup> , size 12
	HI-LKPIN-F12GL	Contact socket gold-plated for 8-pole, 2.5 - 4 mm <sup>2</sup> , size 12
	HI-LKPIN-M12S	Contact plug silver-plated for 8-pole, 1.5 - 2.5 mm <sup>2</sup> , size 12
	HI-LKPIN-F12S	Contact socket silver-plated for 8-pole, 1.5 - 2.5 mm <sup>2</sup> , size 12



x00586



SP versions specially labelled  
for speaker assignment

**19-pole HI-SOCA version, compatible with Socapex 419****ORDER NO. DESCRIPTION**

7	HI-SOCA19-MP	Chassis-mount plug (male)
8	HI-SOCA19-FP	Chassis-mount socket (female)
9	HI-SOCA19-MV	Connector (male), M40 cable outlet
	HI-SOCA19-MV-SP	Connector (male), M40 cable outlet, <b>NEW!</b> specially labelled for <b>SPEAKERS</b>
10	HI-SOCA19-FV	Cable socket (female), M40 cable outlet
	HI-SOCA19-FV-SP	Cable socket (female), M40 cable outlet, <b>NEW!</b> specially labelled for <b>SPEAKERS</b>
11	HI-SOCAPIN-FS	Contact socket silver-plated (19-pole HI-SOCA), 1.5 - 2.5 mm <sup>2</sup>
12	HI-SOCAPIN-FGL	Contact socket gold-plated (19-pole HI-SOCA), 2.5 - 4 mm <sup>2</sup>
13	HI-SOCAPIN-MS	Contact plug silver-plated (19-pole HI-SOCA), 1.5 - 2.5 mm <sup>2</sup>
14	HI-SOCAPIN-MGL	Contact plug gold-plated (19-pole HI-SOCA), 2.5 - 4 mm <sup>2</sup>
15	HI-SOCAPIN-FIL	Dummy plugs for unused holes (19-pole HI-SOCA19)



x00587

**25-pole (8-channel) version, arrangement 24 A - 25****ORDER NO. DESCRIPTION**

16	HI-LK025MP	Chassis-mount plug (male)	<b>   SYS BOXX   </b>
17	HI-LK025FP	Chassis-mount socket (female)	<b>   SYS BOXX   </b>
18	HI-LK025MV	Connector (male), PG 16 cable outlet	
19	HI-LK025FV	Cable socket (female), PG 16 cable outlet	
20	HI-LKCAP-M25	Cover cap for connector male	
21	HI-LKCAP-F25	Cover cap for connector female	



x00588





**37-pole (12-channel) version, arrangement 28 – 21**

ORDER NO.	DESCRIPTION	
1 HI-LK037MP	Chassis-mount plug (male)	[SYS BOXX]
2 HI-LK037FP	Chassis-mount socket (female)	[SYS BOXX]
3 HI-LK037MV	Connector (male), PG 21 cable outlet	
4 HI-LK037FV	Cable socket (female), PG 21 cable outlet	
5 HI-LKCAP-M37	Cover cap for connector male	
6 HI-LKCAP-F37	Cover cap for connector female	



**85-pole (24-channel) version, arrangement 40 – 56**

ORDER NO.	DESCRIPTION	
7 HI-LK085MP	Chassis-mount plug (male)	[SYS BOXX]
8 HI-LK085FP	Chassis-mount socket (female)	[SYS BOXX]
9 HI-LK085MV	Connector (male), PG 29 cable outlet	
10 HI-LK085FV	Cable socket (female), PG 29 cable outlet	
11 HI-LKCAP-M85	Cover cap for connector male	
12 HI-LKCAP-F85	Cover cap for connector female	



**Pins for 25- / 37- / 85-pole version**

ORDER NO.	DESCRIPTION	
13 HI-LKPIN-M16G	Contact plug gold-plated (max. 85-pole), size 16, 1 - 1.5 mm <sup>2</sup>	
14 HI-LKPIN-F16G	Contact sockets gold-plated (max. 85-pole), size 16, 1 - 1.5 mm <sup>2</sup>	
15 HI-LKPIN-M16GS	Crimp plug gold-plated (max. 85-pole), size 16, 0.15 - 0.6 mm <sup>2</sup>	
16 HI-LKPIN-F16GS	Crimp socket gold-plated (max. 85-pole), size 16, 0.15 - 0.6 mm <sup>2</sup>	
17 HI-LKPIN-M16S	Contact plug silver-plated (max. 85-pole), size 16, 1 - 1.5 mm <sup>2</sup>	
18 HI-LKPIN-F16S	Contact sockets silver-plated (max. 85-pole), size 16, 1 - 1.5 mm <sup>2</sup>	
19 HI-LKPING-16	Mounting support pin for contact sockets, size 16	

**NEW!**



**150-pole (48-channel) version, arrangement 40A – 150**

ORDER NO.	DESCRIPTION	
20 HI-LK150MP	Chassis-mount plug (male)	[SYS BOXX]
21 HI-LK150FP	Chassis-mount socket (female)	[SYS BOXX]
22 HI-LK150MV	Connector (male), PG 29 cable outlet	
23 HI-LK150FV	Cable socket (female), PG 29 cable outlet	
24 HI-LKBODY-PG36	PG36 enclosure size 40	
25 HI-LKCAP-M85	Cover cap for connector male	
26 HI-LKCAP-F85	Cover cap for connector female	
27 HI-LKPIN-M18G	Contact plug gold-plated (100 - 150-pole), size 18	
28 HI-LKPIN-F18G	Contact sockets gold-plated (100 - 150-pole), size 18	



ORDER NO.	TOOLS
M225201/1-01	Crimping pliers for 8 - 150-pole LK contacts
M225201/1A01	Crimping pliers for 8 - 19-pole LK contacts HI-LKPIN-M12GL and HI-LKPIN-F12GL
29 M225201/1-02	Centering device for 8 - 85-pole LK contacts (must be ordered as a crimping pliers accessory!)
M225201/1-03	Centering device for 150-pole LK contacts (must be ordered as a crimping pliers accessory!)
30 T98143	Mounting pliers for all LK contacts
31 43240	Extraction tool for 8 - 85-pole LK contacts
32 KIT-99-011	Extraction tool for 150-pole LK contacts



CONNECTORS

Connectors ▶ Multipin Audio, DMX/Power load ▶ **eventCON****NEW!**

**eventCON** is an innovative, compact connection system for power and DMX in a single cable. The connector is **VDE** certified and may be properly finished by a trained electrical engineer without losing its IP67 protection classification (when plugged in).

Plug and socket are connected and **automatically locked in place by simply plugging them together**. Turning the bayonet sleeve clockwise will unlock the connection. There are 3 contacts for 250V/16A for power 1.5 mm<sup>2</sup>/AWG15 and another 3 contacts 30V/2A for signal 0.50 mm<sup>2</sup>/AWG20 available. Ready-made cable solutions can be found in the section "Ready-made Cables/Live Event Sound".

 **IP67**
**ORDER NO. DESCRIPTION**

<b>EC-PD1M</b>	eventCON 6-pole, IP67 cable plug
<b>EC-PD1F</b>	eventCON 6-pole, IP67 cable socket
<b>EC-PD1DF</b>	eventCON 6-pole, IP67 chassis-mount socket
<b>EC-PD1-CAP</b>	eventCON 6-pole, protective cap



x00596

Connectors ▶ Multipin Audio ▶ **ACCESSORIES – STRAIN RELIEF****Plastic strain relief, waterproof****ORDER NO. DESCRIPTION**

<b>PGV16-SW</b>	PG 16 hole diameter 10 - 14 mm, black
<b>PGV21-SW</b>	PG 21 hole diameter 13 - 18 mm, black
<b>PGV29-SW</b>	PG 29 hole diameter 18 - 25 mm, black
<b>PGV36-SW</b>	PG 36 hole diameter 26 - 32 mm, black
<b>PGVM16-SW</b>	M16x1.5 hole diameter 5 - 10 mm, black
<b>PGVM25-SW</b>	M25x1.5 hole diameter 9 - 17 mm, black
<b>PGVM32-SW</b>	M32x1.5 hole diameter 11 - 21 mm, black
<b>PGVM40-SW</b>	M40x1.5 hole diameter 19 - 28 mm, black



x00598

**Plastic strain relief with cable sleeve support, waterproof****ORDER NO. DESCRIPTION**

<b>PGV16K-SW</b>	PG 16 hole diameter 10 - 14 mm, black
<b>PGV21K-GR</b>	PG 21 hole diameter 13 - 18 mm, grey
<b>PGV21K-SW</b>	PG 21 hole diameter 13 - 18 mm, black
<b>PGVM16K-SW</b>	M16x1.5 hole diameter 3.5 - 8 mm, black
<b>PGVM25K-SW</b>	M25x1.5 hole diameter 9 - 17 mm, black
<b>PGVM32K-SW</b>	M32x1.5 hole diameter 11 - 21 mm, black



x00601



Connectors ▶ Multipin Audio ▶ **ACCESSORIES THREAD****Strain relief, nickel-plated brass with gasket****ORDER NO. DESCRIPTION**

<b>KVM16</b>	PG 16 hole diameter 12 - 16 mm
<b>KVM21</b>	PG 21 hole diameter 15 - 20 mm
<b>KVM29</b>	PG 29 hole diameter 21 - 28 mm



x00603

**Strain relief, nickel-plated brass with protective rubber sleeve****ORDER NO. DESCRIPTION**

<b>PGZ16-15</b>	PG 16 hole diameter 13 - 15 mm
<b>PGZ21-17</b>	PG 21 hole diameter 15 - 17 mm
<b>PGZ21-19</b>	PG 21 hole diameter 17 - 19 mm
<b>PGZ29-25</b>	PG 29 hole diameter 20 - 25 mm



x00604

**Strain relief with trumpet outlet and gasket****ORDER NO. DESCRIPTION**

<b>CRS16</b>	PG 16 hole diameter 12 - 15 mm
<b>CRS21</b>	PG 21 hole diameter 17 - 20 mm
<b>CRS29</b>	PG 29 hole diameter 26 - 29 mm



x00606

**Splice adapter, with different female threads to take standard cable screw fixations****ORDER NO. DESCRIPTION Inside thread**

<b>GLM-M16-M16</b>	Glandmaster metal M16x1.5 ⇔ M16x1.5, L = 60 mm
<b>GLM-M25-M16</b>	Glandmaster metal M25x1.5 ⇔ M16x1.5, L = 60 mm
<b>GLM-M25-M25</b>	Glandmaster metal M25x1.5 ⇔ M25x1.5, L = 80 mm
<b>GLM-M25-PG16</b>	Glandmaster metal M25x1.5 ⇔ PG16x1.5, L = 80 mm
<b>GLP-M40-M32</b>	Glandmaster polymer M40x1.5 ⇔ M32x1.5, L = 100 mm



x00608

**Reducing/extending thread, nickel-plated brass (metric version on request)****ORDER NO. DESCRIPTION**

<b>RZG16-13</b>	PG 16 to PG 13
<b>RZG21-16</b>	PG 21 to PG 16
<b>RZG21-29</b>	PG 21 to PG 29
<b>RZG29-16</b>	PG 29 to PG 16
<b>RZG29-21</b>	PG 29 to PG 21
<b>RZG29-M32</b>	PG 29 to M 32
<b>RZGM40-M32</b>	M 40 to M 32
<b>RZGM40-M50</b>	M 40 to M 50



x00610

**Locknut, nickel-plated brass (metric version on request)****ORDER NO. DESCRIPTION**

<b>PGM16</b>	PG 16 inside thread
<b>PGM21</b>	PG 21 inside thread
<b>PGM29</b>	PG 29 inside thread



x00611

**PG cover panels, black plastic (grey or metric versions on request)****ORDER NO. DESCRIPTION**

<b>PGA16</b>	PG 16 hole covering
<b>PGA21</b>	PG 21 hole covering
<b>PGA29</b>	PG 29 hole covering



x00613

**CABLE SUPPORT WIRE MESH HANGER GRIP**

Wire mesh cable support single-eye hanger grips for hanging and cable strain relief of multipairs. This is a useful accessory for protecting the multipair fanout.

**ORDER NO. DIMENSIONS**

<b>BD7</b>	Ø 6 - 10 mm
<b>BD9</b>	Ø 10 - 18 mm
<b>BD11</b>	Ø 18 - 22 mm
<b>BD13</b>	Ø 22 - 26 mm
<b>BD15</b>	Ø 26 - 31 mm



x00614

**Metal strain relief with braided steel bend-protection****ORDER NO. DESCRIPTION**

<b>PGV21K-MESH</b>	PG 21 hole diameter 15.9 - 19.0 mm
<b>PGV29K-MESH</b>	PG 29 hole diameter 19.0 - 22.2 mm
<b>PGV36K-MESH</b>	PG 36 hole diameter 22.2 - 25.5 mm



x00616

**Metal cable protection sleeve with trumpet inlet and PG outlet**

Overall length = 27 cm

**ORDER NO. DESCRIPTION**

<b>KMS13</b>	PG 13 hole diameter 7 - 10 mm
--------------	-------------------------------



x00618



Multi-pin Connectors ▶ Audio/Power load ▶ **ILME MULTI-PIN CONNECTORS***“Quick and chic”*

That's how we describe the new inserts in our SQUICH series. They can be assembled quickly and easily, “no tools required” and are suitable for conductor gauges between 0.14 mm<sup>2</sup> / AWG26 and 2.5 mm<sup>2</sup> / AWG13. Each contact chamber has been assigned a locking element with a cage clamp terminal. When locked, it provides a secure and reliable connection for the conductor. Simply re-open the lock with a screwdriver, if necessary.

Operating temperature range: -40°C to +125°C / -40°F to +257°F

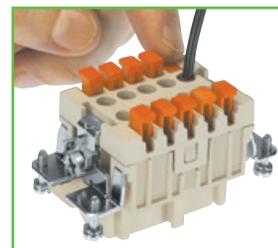
The ILME multi-pin rectangular connectors are standardized and compatible with all common rectangular connectors on the market (Harting, etc.). On the following pages you will find a small selection of the most widespread multi-pin connectors.

**We stock the entire ILME product range and also items not listed here – e.g., metric versions. Just ask.**

The products labeled with the SYSBOXX logo are compatible with our modular system box. For more information see the sections on “Multicore & Power Distribution Systems” and “Hardware & Accessories”.



1. Insert conductor



2. Push down lock

**64- & 108-pole Audio Connector System / 24-pole Power Load Connector System****SLEEVE HOUSINGS WITH BOLTS**

ORDER NO.	DESCRIPTION
1 CHV24	Sleeve housing 4 bolts flat/straight PG21
2 CAV24.21	Sleeve housing 4 bolts high/straight PG21
CAV24.29	Sleeve housing 4 bolts high/straight PG29
3 CAV24.29N	Sleeve housing 4 bolts high/straight PG29, black
4 CHO24	Sleeve housing 4 bolts flat/angled PG21
5 CAO24.21	Sleeve housing 4 bolts high/angled PG21
CAO24.29	Sleeve housing 4 bolts high/angled PG29



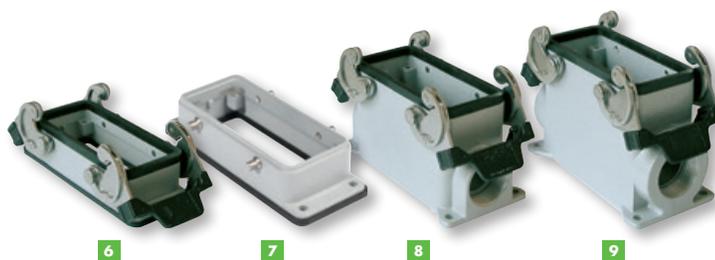
x00625

**ADD-ON & SURFACE-MOUNTED HOUSINGS**

ORDER NO.	DESCRIPTION
6 CHI24	Add-on housing 2 clamps open at rear
7 CHI24CH	Add-on housing 4 bolts, w/o gasket
8 CHP24	Surface-mounted housing 2 clamps flat/lateral PG21
9 CAP24.21	Surface-mounted housing 2 clamps high/lateral PG21
CAP24.29	Surface-mounted housing 2 clamps high/lateral PG29



x00629

**SLEEVE HOUSINGS WITH CLAMPS**

ORDER NO.	DESCRIPTION
10 CHV24G	Sleeve housing 2 clamps flat/straight PG 21
11 CAV24G	Sleeve housing 2 clamps high/straight PG 21
11 CAV24G29	Sleeve housing 2 clamps high/straight PG 29



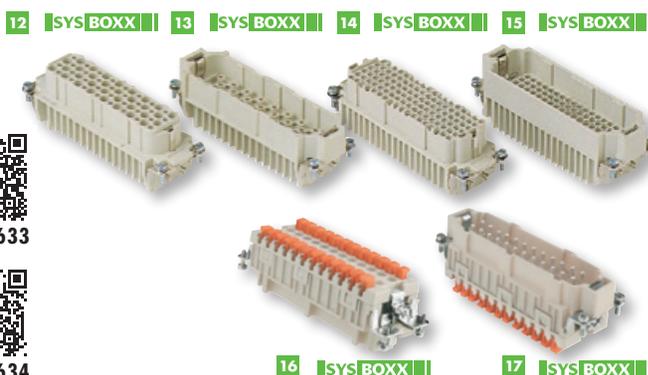
x00631

**CONTACT INSERTS AUDIO** (Crimp contacts see following pages)

ORDER NO.	DESCRIPTION
12 CDF64	Socket insert 64-pole + ⊕ w/o crimp contacts
13 CDM64	Pin insert 64-pole + ⊕ w/o crimp contacts
14 CDDF108	Socket insert 108-pole + ⊕ w/o crimp contacts
15 CDDM108	Pin insert 108-pole + ⊕ w/o crimp contacts



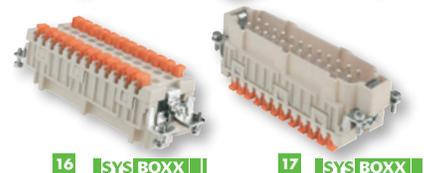
x00633

**CONTACT INSERTS POWER LOAD** (Crimp contacts see following pages)

ORDER NO.	DESCRIPTION
16 CSHF24	Socket insert SQUICH 24-pole
17 CSHM24	Pin insert SQUICH 24-pole



x00634



Multi-pin Connectors ▶ Audio/Load ▶ **ILME MULTI-PIN CONNECTORS**

**40- & 72-pole Audio Connector System / 16-pole Power Load Connector System**

**SLEEVE HOUSINGS WITH BOLTS**

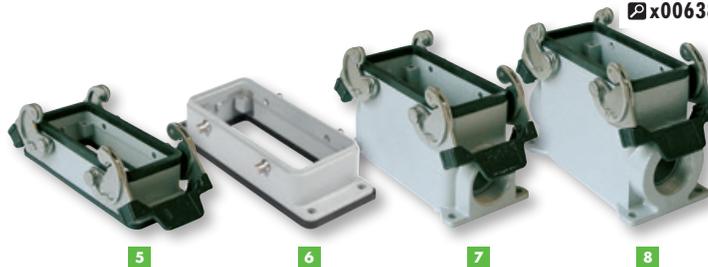
ORDER NO.	DESCRIPTION
<b>1 CHV16</b>	Sleeve housing 4 bolts flat/straight PG21
<b>2 CAV16.21</b>	Sleeve housing 4 bolts high/straight PG21
<b>CAV16.29</b>	Sleeve housing 4 bolts high/straight PG29
<b>3 CHO16</b>	Sleeve housing 4 bolts flat/angled PG21
<b>4 CAO16.21</b>	Sleeve housing 4 bolts high/angled PG21
<b>CAO16.29</b>	Sleeve housing 4 bolts high/angled PG29



x00636

**ADD-ON & SURFACE-MOUNTED HOUSINGS**

ORDER NO.	DESCRIPTION
<b>5 CHI16</b>	Add-on housing 2 clamps open at rear
<b>6 CHI16CH</b>	Add-on housing 4 bolts, w/o gasket
<b>7 CHP16</b>	Surface-mounted housing 2 clamps flat/lateral PG21
<b>8 CAP16.21</b>	Surface-mounted housing 2 clamps high/lateral PG21
<b>CAP16.29</b>	Surface-mounted housing 2 clamps high/lateral PG29



x00638

**SLEEVE HOUSINGS WITH CLAMPS**

ORDER NO.	DESCRIPTION
<b>9 CHV16G</b>	Sleeve housing 2 clamps flat/straight PG 21
<b>10 CAV16G</b>	Sleeve housing 2 clamps high/straight PG 21
<b>CAV16G29</b>	Sleeve housing 2 clamps high/straight PG 29

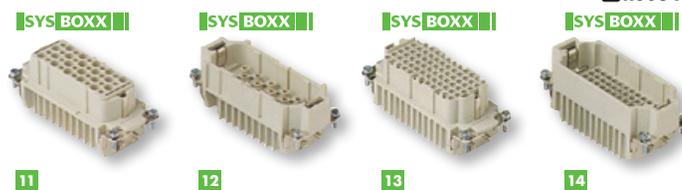


x00639

**CONTACT INSERTS AUDIO**

(Crimp contacts see following pages)

ORDER NO.	DESCRIPTION
<b>11 CDF40</b>	Socket insert 40-pole + ⊕ w/o crimp contacts
<b>12 CDM40</b>	Pin insert 40-pole + ⊕ w/o crimp contacts
<b>13 CDDF72</b>	Socket insert 72-pole + ⊕ w/o crimp contacts
<b>14 CDDM72</b>	Pin insert 72-pole + ⊕ w/o crimp contacts



x00641

**CONTACT INSERTS POWER LOAD + AUDIO** (Crimp contacts CX Series for load, CD Series for audio see following pages)

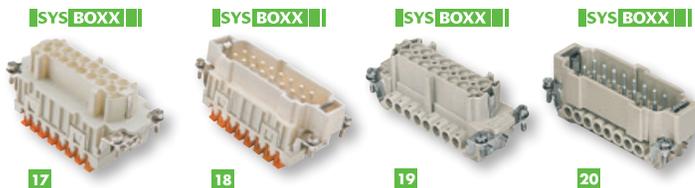
ORDER NO.	DESCRIPTION
<b>15 CXF6/36</b>	Socket insert 6 x 40 A + 36 x 10 A, w/o crimp contacts
<b>16 CXM6/36</b>	Pin insert 6 x 40 A + 36 x 10 A, w/o crimp contacts



x00643

**CONTACT INSERTS POWER LOAD**

ORDER NO.	DESCRIPTION
<b>17 CSHF16</b>	Socket insert SQUICH 16-pole
<b>18 CSHM16</b>	Pin insert SQUICH 16-pole
<b>19 CNEF16T</b>	Socket insert 16-pole + ⊕ incl. screwed contacts w. wire guard
<b>20 CNEM16T</b>	Pin insert 16-pole + ⊕ incl. screwed contacts w. wire guard



x00645

Multi-pin Connectors ▶ Audio/Load ▶ **ILME MULTI-PIN CONNECTORS****42-pole Audio Connector System / 10-pole Power Load Connector System****SLEEVE HOUSINGS WITH BOLTS**

ORDER NO.	DESCRIPTION
1 CHV10	Sleeve housing 4 bolts flat/straight PG16
2 CAV10.21	Sleeve housing 4 bolts high/straight PG21
3 CHO10	Sleeve housing 4 bolts flat/angled PG16
4 CAO10.21	Sleeve housing 4 bolts high/angled PG21

**ADD-ON & SURFACE-MOUNTED HOUSINGS WITH CLAMPS**

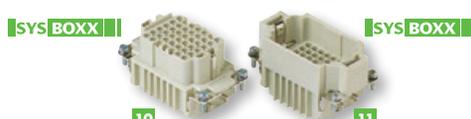
ORDER NO.	DESCRIPTION
5 CHI10	Add-on housing 2 clamps open at rear
6 CHP10	Surface-mounted housing 2 clamps flat/lateral PG16
7 CAP10.21	Surface-mounted housing 2 clamps high/lateral PG21

**SLEEVE HOUSINGS WITH CLAMPS**

ORDER NO.	DESCRIPTION
8 CHV10G	Sleeve housing 2 clamps flat/straight PG16
9 CAV10G	Sleeve housing 2 clamps high/straight PG21

**CONTACT INSERTS AUDIO** (For crimp contacts, see the following page)

ORDER NO.	DESCRIPTION
10 CDDF42	Socket insert 42-pole + ⊕ w/o crimp contacts
11 CDDM42	Pin insert 42-pole + ⊕ w/o crimp contacts

**CONTACT INSERTS POWER LOAD**

ORDER NO.	DESCRIPTION
12 CSHF10	Socket insert SQUICH 10-pole
13 CSHM10	Pin insert SQUICH 10-pole
14 CNEF10T	Socket insert 10-pole + ⊕ incl. screwed contacts w. wire guard
15 CNEM10T	Pin insert 10-pole + ⊕ incl. screwed contacts w. wire guard

**24-pole Audio Connector System****SLEEVE HOUSINGS WITH BOLTS**

ORDER NO.	DESCRIPTION
1 CHV06L16	Sleeve housing 2 bolts flat/straight PG16
2 CAV06L21	Sleeve housing 2 bolts high/straight PG21
3 CHO06L16	Sleeve housing 2 bolts flat/angled PG16
4 CAO06L21	Sleeve housing 2 bolts high/angled PG21

**ADD-ON & SURFACE-MOUNTED HOUSINGS WITH CLAMP**

ORDER NO.	DESCRIPTION
5 CHI06L	Add-on housing 1 clamp open at rear
6 CHP06L	Surface-mounted housing 1 clamp flat/lateral PG16
7 CAP06L	Surface-mounted housing 1 clamp high/lateral PG21

**SLEEVE HOUSINGS WITH CLAMP**

ORDER NO.	DESCRIPTION
8 CHV06LG	Sleeve housing 1 clamp flat/straight PG16
9 CAV06LG21	Sleeve housing 1 clamp high/straight PG21

**CONTACT INSERTS** (For crimp contacts, see the following page)

ORDER NO.	DESCRIPTION
10 CDDF24	Socket insert 24-pole + ⊕ w/o crimp contacts
11 CDDM24	Pin insert 24-pole + ⊕ w/o crimp contacts
12 CSHF06	Socket insert SQUICH 6-pole
13 CSHM06	Pin insert SQUICH 6-pole



Multi-pin Connectors ▶ Audio/Power load ▶ **ILME MULTI-PIN CONTACTS + ACCESSORIES**

**CRIMP CONTACTS SUITABLE FOR ALL CRIMP CONTACT INSERTS**

ORDER NO.	DESCRIPTION
<b>CDFA0,3</b>	Contact socket silver-plated for conductor 0.37 mm <sup>2</sup>
<b>CDFA0,5</b>	Contact socket silver-plated for conductor 0.50 mm <sup>2</sup>
<b>CDFA1,0</b>	Contact socket silver-plated for conductor 1.00 mm <sup>2</sup>
<b>CDFA2,5</b>	Contact socket silver-plated for conductor 2.50 mm <sup>2</sup>
<b>CDMA0,3</b>	Contact plug silver-plated for conductor 0.37 mm <sup>2</sup>
<b>CDMA0,5</b>	Contact plug silver-plated for conductor 0.50 mm <sup>2</sup>
<b>CDMA1,0</b>	Contact plug silver-plated for conductor 1.00 mm <sup>2</sup>
<b>CDMA2,5</b>	Contact plug silver-plated for conductor 2.50 mm <sup>2</sup>
<b>CDFD0,3</b>	Contact socket gold-plated for conductor 0.37 mm <sup>2</sup>
<b>CDMD0,3</b>	Contact plug gold-plated for conductor 0.37 mm <sup>2</sup>



x00659



<b>CXFA1,5</b>	Contact socket silver-plated, 40 A, for conductor 1.5 mm <sup>2</sup>
<b>CXFA2,5</b>	Contact socket silver-plated, 40 A, for conductor 2.5 mm <sup>2</sup>
<b>CXMA1,5</b>	Contact plug silver-plated, 40 A, for conductor 1.5 mm <sup>2</sup>
<b>CXMA2,5</b>	Contact plug silver-plated, 40 A, for conductor 2.5 mm <sup>2</sup>

**PROTECTION CAP + TOOLS**

ORDER NO.	DESCRIPTION
<b>1 CHC06LG</b>	Protection cap 1 clamp with gasket for CHV06/CAV06/CHO06/CAO06
<b>2 CHC06L</b>	Protection cap 2 bolts with fastening loop for CHI06/CHP06/CAP06/CAV06
<b>3 CHC10G</b>	Protection cap 2 clamps with gasket for sleeve housing CHV10/CAV10/CHO10/CAO10
<b>CHC16G</b>	Protection cap 2 clamps with gasket for sleeve housing CHV16/CAV16/CHO16/CAO16
<b>CHC24G</b>	Protection cap 2 clamps with gasket for sleeve housing CHV24/CAV24/CHO24/CAO24
<b>4 CHC10</b>	Protection cap 4 bolts with fastening loop for CHI10/CHP10/CAP10/CHV10/CAV10
<b>CHC10N</b>	Protection cap 4 bolts with fastening loop for CHI10/CHP10/CAP10/CHV10/CAV10, black
<b>CHC24</b>	Protection cap 4 bolts with fastening loop for CHI24/CHP24/CAP24/CHV24/CAV24
<b>5 CCES2</b>	Extraction tool for contacts CDF/CDM
<b>CCES2-SP</b>	Spare sleeve for CCES2 (not shown)
<b>6 WCZ1200</b>	Professional crimp pliers, chrome-plated, with case - w/o inserts
<b>7 WECLOC1271</b>	Crimping attachment incl. locator f. WCZ1200 for pressed contacts 0.14 - 4.0 mm <sup>2</sup> , AWG 25 - 11, < square crimping >
<b>8 WCZ1671</b>	Crimping hand pliers incl. crimping attachment 0.14 - 4.0 mm <sup>2</sup> , AWG 25 - 11, < square crimping >



x00665



CONNECTORS

Connectors ▶ **MULTI-PIN ADAPTERS and COVER PANELS**

**Multi-pin Adapter Panels and Multi-pin Cover Panels**

ORDER NO.	DESCRIPTION
<b>CYG16</b>	Extension adapter for 2 x CHI16 for flying connections, e.g. of load multicore cables
<b>CYG24</b>	Extension adapter for 2 x CHI24 for flying connections, e.g. of load multicore cables



x00667



*Save your time and spare your nerves...*

...with the new modular **ILME MIXO modules** for signal or power transmission.

Through lateral guide profiles and fastening clips, the individual modules are easily configured as one block, and inserted as a whole into the module frame. The modular design allows for a large variety of different modules to be created.

For more information, please visit [www.sommercable.com](http://www.sommercable.com)

For placing an order with **SOMMER CABLE** you can simply use the ILME order numbers.

- Broad range of modules for signal or power transmission, from 10 A up to 200 A
- Custom modules for Ethernet lines (4- and 8-pin), compressed air, optical fibers, USB interfaces SUB-D or RJ45
- Easy and secure assembly saves time and energy



Multi-pin Connectors ▶ Audio ▶ **SUB-D***SUB-D or D-SUB ???*

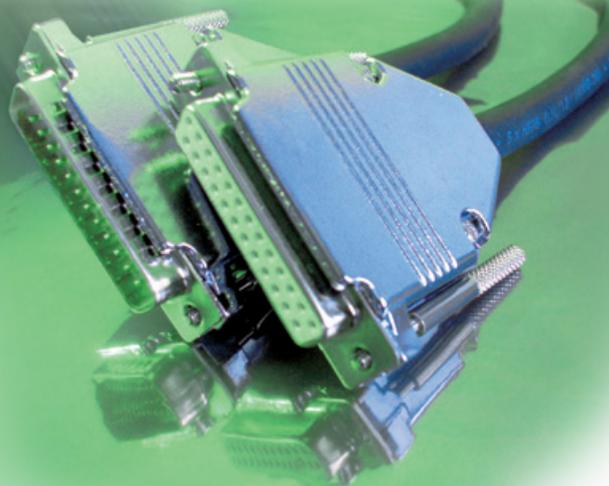
That's up to you. But whatever you call them, the following compact multi-pin connectors can be used to feed serial data to various peripheral devices such as printers, monitors and S/P-DIF interfaces.

Both the panel-mount solder plug and jack have machined, genuine gold-plated precision contacts of the highest quality. This ensures reliable transmission quality with low contact impedances and outstanding longevity.

The housings are each fitted with long knurled screws and are available in plastic versions, standard metal versions or with professional full metal housing. The latter is absolutely sturdy, suitable for large cable diameters and provide 1 straight + 2 lateral outlets (optimal HF shielding, protection class 3). Other model versions are available on request.

The products marked with the SYSBOXX logo match our modular SYSBOXX (see „Multicore & Power Distribution Systems“ section).

Practical accessories are the space-saving Sub-D gender changers in 9-pin and 15-pin HD format with D flange.

**ORDER NO.****9-pole version**

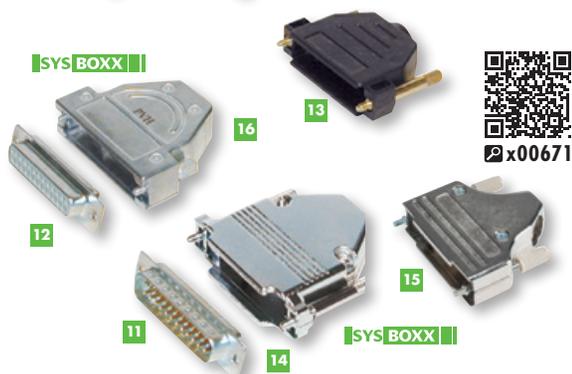
1	<b>SUBD09CML</b>	9-pole pin insert with solder contacts
2	<b>SUBD09CFL</b>	9-pole socket insert with solder contacts
3	<b>SUBD0915GM</b>	9-pole EMC full metal shell for max. 11.5 mm cable Ø
3	<b>SUBD0915GMA</b>	9-pole EMC full metal shell 35° angled for max. 12.5 mm cable Ø

**ORDER NO.****15-pole version HD (VGA)**

4	<b>SUBD15HDCML</b>	15-pole HD pin insert with solder contacts
5	<b>SUBD15HDCFL</b>	15-pole HD socket insert with solder contacts
6	<b>SUBD0915GM</b>	15-pole HD EMC full metal shell for max. 11.5 mm cable Ø
6	<b>SUBD0915GMA</b>	15-pole HD EMC full metal shell 35° angled for max. 12.5 mm cable Ø

**ORDER NO.****15-pole version (5-channel)**

7	<b>SUBD15CML</b>	15-pole pin insert with solder contacts
8	<b>SUBD15CFL</b>	15-pole socket insert with solder contacts
9	<b>SUBD15HM</b>	15-pole full metal shell for max. 13 mm cable Ø; 45°/90° cable outlet
10	<b>SUBDHM9-12</b>	Strain relief for SUB-D...HM, 9 - 12 mm cable Ø, screwable

**ORDER NO.****25-pole version (8-channel)**

11	<b>SUBD25CML</b>	25-pole pin insert with solder contacts
12	<b>SUBD25CFL</b>	25-pole socket insert with solder contacts
13	<b>SUBD25GK</b>	25-pole plastic housing for max. 10.5 mm cable Ø
14	<b>SUBD25GM</b>	25-pole full metal shell for max. 10 mm cable Ø
15	<b>SUBD25GMA</b>	25-pole full metal shell 35° angled for max. 12.5 mm cable Ø
16	<b>SUBD25HM</b>	25-pole full metal shell for max. 13 mm cable Ø; 45°/90° cable outlet, UNC thread
	<b>SUBDHM9-12</b>	Strain relief for SUB-D...HM, 9 - 12 mm cable Ø, screwable
	<b>SUBD-M3-SCREW</b>	M3 x 24 knurled screw for devices with metric fastening screws, e.g. Yamaha, Tascam (fits SUB-D 25 HM)

**ORDER NO.****Mini gender changer**

	<b>SUBD09-FF</b>	9-pole gender changer, female - female
17	<b>SUBD09-FM</b>	9-pole patch adapter, female - male
	<b>SUBD09-MM</b>	9-pole gender changer, male - male
	<b>SUBD15HD-FF</b>	15-pole HD gender changer, female - female
18	<b>SUBD15HD-FM</b>	15-pole HD patch adapter, female - male
	<b>SUBD15HD-MM</b>	15-pole HD gender changer, male - male
	<b>SUBD25-FF</b>	25-pole gender changer, female - female
19	<b>SUBD25-FM</b>	25-pole patch adapter, female - male
	<b>SUBD25-MM</b>	25-pole gender changer, male - male



20

SYSBOXX | D

**ORDER NO.****Mini gender changer with D hole**

20	<b>SUBD15HD-FF-D-B</b>	15-pole gender changer, female - female, D hole
	<b>SUBD15HD-FM-D-B</b>	15-pole patch adapter, female - male, D hole
	<b>SUBD15HD-MM-D-B</b>	15-pole gender changer, male - male, D hole

Multi-pin Connectors ▶ Audio ▶ **SUB-D FCT**



*Connections are their business...*

... and this is why FCT is one of the best-established companies in the German and European markets when it comes to D-Sub and other connection types. There is also an FCT production plant in the USA.

We have included their products in our catalog because FCT connectors can be found in virtually every professional environment of the audio industry. For example, many companies will specify FCT products for use in broadcasting, mixing console design, in communications and data technology, as well as other sectors.

**BENEFITS:**

- Fully compatible with all common D-Sub connectors
- Space-saving construction
- Tinned steel housing
- Low capacitance tolerances
- Facilitates EMV-compliant design
- UL certification
- High numbers of mating cycles (high quality grade)

ORDER NO.	9-pole version
1 <b>FCT09CML</b>	9-pole pin insert with solder contacts
2 <b>FCT09CFL</b>	9-pole socket insert with solder contacts
3 <b>FCT0915GM</b>	9-pole full metal shell for 3.0 - 9.5 mm cable Ø



x00674

ORDER NO.	15-pole version HD (VGA)
4 <b>FCT15HCML</b>	15-pole HD pin insert with solder contacts
5 <b>FCT15HCFL</b>	15-pole HD socket insert with solder contacts
6 <b>FCT0915GM</b>	9-pole full metal shell for 3.0 - 9.5 mm cable Ø



x00675

ORDER NO.	15-pole version (5-channel)
7 <b>FCT15CML</b>	15-pole pin insert with solder contacts
8 <b>FCT15CFL</b>	15-pole socket insert with solder contacts
9 <b>FCT15HM</b>	15-pole full metal shell for 3.0 - 8.5 mm cable Ø



x00676

ORDER NO.	25-pole version (8-channel)
10 <b>FCT25CML</b>	25-pole pin insert with solder contacts
<b>FCT25CML-GK1</b>	25-pole pin insert with solder contacts, top grade
11 <b>FCT25CFL</b>	25-pole socket insert with solder contacts
<b>FCT25CFL-GK1</b>	25-pole female insert with solder contacts, top grade
<b>FCT25GK</b>	25-pole plastic shell for max. 10.5 mm cable Ø
12 <b>FCT25GM</b>	25-pole full metal shell for 3.0 - 8.5 mm cable Ø
<b>FCT25HM</b>	25-pole full metal shell for 8.5 - 13.5 mm cable Ø



x00677

ORDER NO.	DESCRIPTION
<b>FCT25-UNC</b>	Knurled screw 4/40 UNC thread, 28 mm long
<b>FCT25-M2.5</b>	Knurled screw M2.5 thread, 28 mm long
<b>FCT25-M3</b>	Knurled screw M3 thread, 28 mm long



x00678

We supply the FCT D-Sub pin inserts and socket inserts with a steel shell, a fiberglass-reinforced thermoplast insulator according to UL94V-0, and a solder bath connection.

The elaborate full metal shells are made of robust zinc die-cast with a high-grade nickel-plating. Using a catch spring system and pre-assembled locking screws, the housings are quickly and easily assembled. The shells have a straight cable outlet with a dependable strain relief and a sleeve support, too. Optionally, the FCT shells are also available in plastic.



CONNECTORS

Multi-pin Connectors ▶ Audio ▶ **SUB-D INSTALLATION**

*Solder-free assembly...*

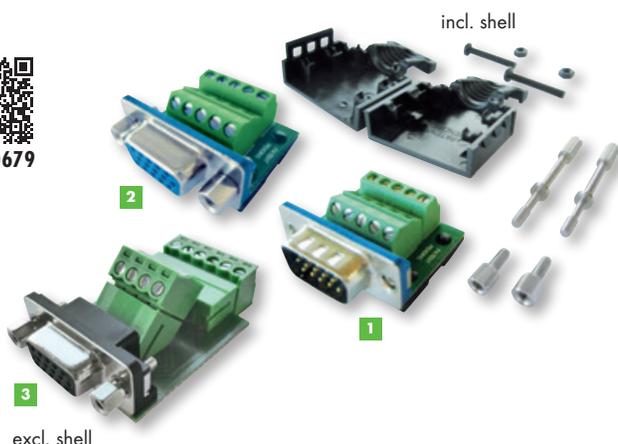
These 15-pole HD SUB-D connectors with a 10-pole screw connection have been designed especially for VGA connecting solutions in the installation sector. A matching housing with clip fastener and an opening for max. 12 mm/0.472" cable Ø is included with both the male and the female versions. The maximum diameter for the screw connection is 1.5 mm/0.059".

We recommend our matching Transit Mini Flex and Transit Mini Control cable series (see the "Bulk Cable - Video" section).

ORDER NO.	15-pole version HD Installation RGBHV
1 <b>SUBD15HDCMS</b>	15-pole HD pin insert with screw terminal
2 <b>SUBD15HDCFS</b>	15-pole HD socket insert with screw terminal
Installation version for panel mounting	
3 <b>SUBD15HDCFS-2</b>	15-pole HD socket insert with screw terminal (excl. shell)



x00679



incl. shell

excl. shell

Multi-pin Connectors ▶ **D-TAP / POWERTAP** **NEW!***D-TAP / POWERTAP*

- Compact plug based on Anton Bauer-standard for broadcasting
- Solder type
- for the transmission of direct-current
- convertible polarity
- strain relief clamp
- Cable-Ø: 5.0 mm/0.197"

DESCRIPTION	ORDER NO. male	ORDER NO. female
1 2-pole, male	<b>HI-D-TAP-M</b>	-
2 2-pole, female	-	<b>HI-D-TAP-F</b>



x01471

Multi-pin Audio ▶ **SIEMENS MULTI-PIN CLIP CONNECTORS DIN 41622***The multi-pin clip connectors...*

... in the 30-pole version are frequently used in the broadcasting sector. We use our compact 10-pair digital multipair cable, **SC-AURA**. For the 12-channel (39-pole version) we recommend the **TRANSFER AMCK 12**. The cable housing and the mounting frame are available in plastic or metal.

In order to fix the contact insert in the housing you need the coding screws. These are available in male or female, which avoids mismatching. The products labelled with the SYSBOXX logo are compatible with our modular SYSBOXX (see "Multicore & Power Distribution Systems" section).

ORDER NO.	DESCRIPTION
1 <b>SML30CML-AU</b> 	30-pole plug with gold-plated solder contacts/male multi-pin clip connector
2 <b>SML30CFL-AU</b> 	30-pole socket with gold-plated solder contacts/female multi-pin clip connector
<b>SML39CML</b>	39-pole plug with solder contacts/male multi-pin clip connector
<b>SML39CFL</b>	39-pole socket with solder contacts/female multi-pin clip connector
3 <b>SML30GM</b>	Metal sleeve housing
4 <b>SML30FM</b> 	Metal snap-in trough
5 <b>SML30CSM</b>	Coding screw male per pc.
6 <b>SML30CSF</b>	Coding screw female per pc.



x00682



Mains 230 V/400 V ▶ **SCHUKO/IEC PLUGS/CEE/MISCELLANEOUS**



ORDER NO.	DESCRIPTION
<b>1</b> EURO-MC230/02-SW EURO-MC230/02-WS	EURO connector, black EURO connector, white each for: 230 V/2.5 A (max. 0.75 mm <sup>2</sup> )
<b>2</b> EURO-FC230/02-SW EURO-FC230/02-WS	EURO cable socket, black EURO cable socket, white each for: 230 V/2.5 A (max. 0.75 mm <sup>2</sup> )
<b>3</b> KAGE-FC230/10-SW	IEC cable socket, black C13, 230 V/10 A (max. 1.5 mm <sup>2</sup> ), IP20
<b>4</b> KAGE-MC230/10-SW	IEC connector, black C13, 230 V/10 A (max. 1.5 mm <sup>2</sup> ), IP20
<b>5</b> SCHU-MC230/16-SW	SCHUKO connector, black, rubber enclosure with sleeve support 230 V/16 A (max. 2.5 mm <sup>2</sup> )
<b>6</b> SCHF-MC230/16-SW	Connector, black, French standard, rubber housing with bending protection 230 V/16 A (max. 2.5 mm <sup>2</sup> ) <b>NEW!</b>
<b>7</b> SCHU-FC230/16-SW	SCHUKO cable socket, black, rubber enclosure with sleeve support 230 V/16 A (max. 2.5 mm <sup>2</sup> )
<b>8</b> SCHF-FC230/16-SW	Cable box, black, French standard, rubber housing with bending protection with cover 230 V/16 A (max. 2.5 mm <sup>2</sup> ) <b>NEW!</b>

ORDER NO.	DESCRIPTION
<b>9</b> SCHU-MC230/16KSW	SCHUKO connector, black, plastic 230 V/16 A (max. 2.5 mm <sup>2</sup> )
<b>10</b> SCHU-FC230/16KSW	SCHUKO cable socket, black, plastic 230 V/10 A (max. 1.5 mm <sup>2</sup> )
<b>11</b> SCHU-MC250/16-90	SCHUKO right-angle plug elastomer, black, <b>90° angled</b> , German, Belgian, French 250 V/16 A (max. 1.5 mm <sup>2</sup> ), IP44
<b>12</b> SCHU-FC230-3	SCHUKO cable socket triple, black, pendant enclosure IP44 protection 250 V/16 A (max. 2.5 mm <sup>2</sup> )
<b>13</b> SCHU-FC230-3RSW	SCHUKO cable socket triple single-line, black, TPE pendant enclosure IP44 protection 250 V/16 A (max. 1.5 mm <sup>2</sup> )
<b>14</b> SCHU-FP230/16SS	SCHUKO SNAP-IN panel socket, w/o cover, black, 250 V/16 A (max. 2.5 mm <sup>2</sup> )
<b>15</b> SCHU-FP230/16SN	SCHUKO SNAP-IN panel socket, w/o cover, white, 250 V/16 A (max. 2.5 mm <sup>2</sup> )
<b>16</b> SCHF-FP230/16SN	SNAP-IN flushmount box, French standard without cover, white, 250 V/16 A (max. 2.5 mm <sup>2</sup> )
<b>SCHC-FP230/16SN</b>	SNAP-IN flushmount box, Swiss standard white, 250 V/10 A (max. 2.5 mm <sup>2</sup> ) <b>NEW!</b>
<b>17</b> SCHU-BSNG	Contact safety device for SNAP-IN SCHUKO



## Mains 230 V/400 V ▶ SCHUKO IEC POWER CONNECTORS/CEE/MISCELLANEOUS

*Hot potatoes!*

That's what you're juggling, with some brands of AC power connectors. For your convenience, we've compiled a high-class **"Made in Germany"** range of **SCHUKO** and **CEE** connectors by Mennekes, with excellent electrical and mechanical properties for 230 V and 400 V technology. When using these connectors you should by all means have comprehensive electrical skills and install a GFCI breaker between load and power sources. The CEE connectors comply with the IEC309-1/-2, DIN EN60309-1/-2 and DIN VDE0623 standards and also the IP44 protection class.

The SCHUKO connectors (max. 2.5 mm<sup>2</sup> / AWG13 cable) comply with the DIN 49440-1/-2/-3 and DIN VDE 0620 standards.

Have a look at the "Bulk Cable" section for the matching power cables **ATRIUM FLEX**, **SILCOFLEX** and **RUBBERFLEX**.

The products labelled with the SYSBOXX logo are compatible with our modular SYSBOXX (see "Multicore & Power Distribution Systems").



**MENNEKES®**  
Plugs for the world



ORDER NO.	DESCRIPTION
<b>1</b> SCHU-MC230/16PSW	SCHUKO connector, black, <b>rugged pro quality</b> with sleeve support 230 V/16 A (max. 2.5 mm <sup>2</sup> )
<b>2</b> SCHU-FC230/16PSW	SCHUKO cable socket, black, <b>rugged pro quality</b> with sleeve support and cover 230 V/16 A (max. 2.5 mm <sup>2</sup> )
<b>3</b> SCHU-FP230/16DBL	SCHUKO panel socket w. cover, <b>SYS BOXX</b> blue 230 V/16 A (max. 2.5 mm <sup>2</sup> )
SCHU-FP230/16DSW	SCHUKO panel socket w. cover, <b>SYS BOXX</b> black 230 V/16 A (max. 2.5 mm <sup>2</sup> )
<b>4</b> SCHU-FP230/16XBL	SCHUKO panel socket w/o cover, <b>SYS BOXX</b> blue 230 V/16 A (max. 2.5 mm <sup>2</sup> )
SCHU-FP230/16XSW	SCHUKO panel socket w/o cover, <b>SYS BOXX</b> black 230 V/16 A (max. 2.5 mm <sup>2</sup> )
<b>5</b> CEE3-MC230/16-BL	CEE connector 3-pole, blue, 230 V/16 A (max. 2.5 mm <sup>2</sup> )
<b>6</b> CEE3-FC230/16-BL	CEE cable socket 3-pole w. cover, blue 230 V/16 A (max. 2.5 mm <sup>2</sup> )
<b>7</b> CEE3-MP230/16-BL	CEE panel plug 3-pole, blue, 230 V/16 A (max. 2.5 mm <sup>2</sup> )
<b>8</b> CEE3-FP230/16-BL	CEE panel socket 3-pole w. cover, <b>SYS BOXX</b> blue 230 V/16 A (max. 2.5 mm <sup>2</sup> )
<b>9</b> CEE5-MC400/16-RT	CEE connector 5-pole, red 400 V/16 A (max. 2.5 mm <sup>2</sup> )
CEE5-MC400/32-RT	CEE connector 5-pole, red 400 V/32 A (max. 6.0 mm <sup>2</sup> )
CEE5-MC400/63-RT	CEE connector 5-pole, red 400 V/63 A (max. 16.0 mm <sup>2</sup> )

ORDER NO.	DESCRIPTION
<b>10</b> CEE5-FC400/16-RT	CEE cable socket 5-pole w. cover, red 400 V/16 A (max. 2.5 mm <sup>2</sup> )
CEE5-FC400/32-RT	CEE cable socket 5-pole w. cover, red 400 V/32 A (max. 6.0 mm <sup>2</sup> )
CEE5-FC400/63-RT	CEE cable socket 5-pole w. cover, red 400 V/63 A (max. 16.0 mm <sup>2</sup> )
<b>11</b> CEE5-MP400/16-RT	CEE panel plug 5-pole, red 400 V/16 A (max. 2.5 mm <sup>2</sup> )
CEE5-MP400/32-RT	CEE panel plug 5-pole, red 400 V/32 A (max. 6.0 mm <sup>2</sup> )
CEE5-MP400/63-RT	CEE panel plug 5-pole, red 400 V/63 A (max. 16.0 mm <sup>2</sup> )
<b>12</b> CEE5-FP400/16-RT	CEE panel socket 5-pole w. cover, <b>SYS BOXX</b> red 400 V/16 A (max. 2.5 mm <sup>2</sup> )
CEE5-FP400/32-RT	CEE panel socket 5-pole w. cover, <b>SYS BOXX</b> red 400 V/32 A (max. 6.0 mm <sup>2</sup> )
CEE5-FP400/63-RT	CEE panel socket 5-pole w. cover, red 400 V/63 A (max. 16.0 mm <sup>2</sup> )
<b>13</b> CEE3-MC110/16-GE	CEE connector 3-pole, yellow 110 V/16 A (max. 2.5 mm <sup>2</sup> )
<b>14</b> CEE3-FC110/16-GE	CEE cable socket 3-pole w. cover, yellow 110 V/16 A (max. 2.5 mm <sup>2</sup> )



x00684