# SOMMER CABLE
AUDIO ■ VIDEO ■ BROADCAST ■ MULTIMEDIA ■ HIFI

## HICON CONNECTORS ®

## Instructions
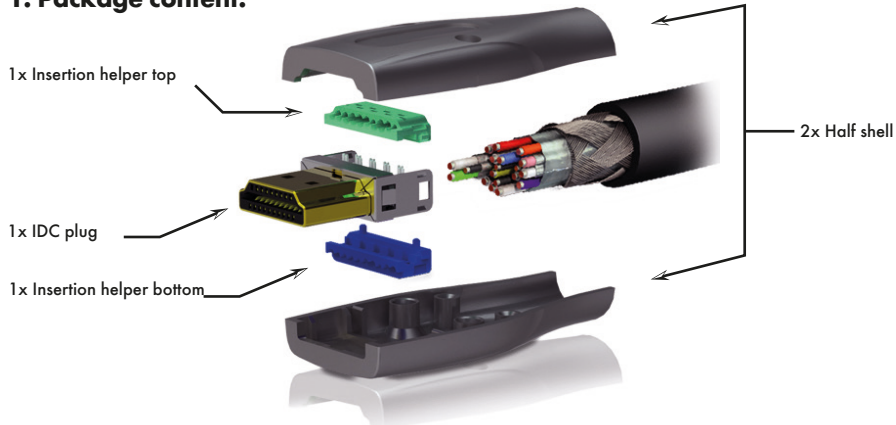Product ID: HI-HD-MSK    Hicon HDMI Plug, metal, IDC

**3D**  |  **HDMI® HIGH SPEED with ETHERNET**  |  **1080p+ 2K | 4K**  |  **ARC + HEC**

### 1. Package content
### 2. Requirements
### 3. Setup

Dear client,

Thank you for buying our HICON HDMI plug connector.
For best performance and functionality please follow these instructions carefully.

The HDMI cable consists of 5 twisted strands, 4 seperate wires and an earth wire.
The 4 blue strand pairs with blue shielding foil transmit the minimised signals (TMDS),
the twisted strands with silver shielding foil transmit the Ethernet and audio feedback channel (HEAC).

### 1. Package content:

1x Insertion helper top

1x IDC plug

1x Insertion helper bottom

2x Half shell

### 2. Requirements:

1x Crimping tool for HD-HD-MSK
Product ID: CZ-HI-HD-MSK
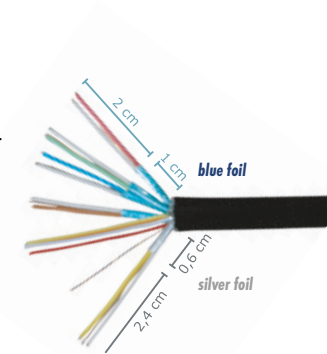
1x Clamping device

### 3. Connection Plan:

**STEP 1: Skinning the cable**

Remove 30mm of the outer coating.

Shorten the aluminium foil of the 5 twisted strands by 20mm.
It is absolutely necessary that you keep 10mm aluminium foil!
You still have to be able to differenciate between the different strand pairs and wires.
Remove the silver aluminium foil, so only 5mm will be left.

2 cm
1 cm
blue foil
0.6 cm
2.4 cm
silver foil

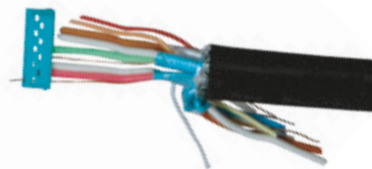**STEP 2: Inserting the wires**

2.1   Sort the strands for the green 9 hole insertion helper.
      Please use the pin arrangement as a reference.

      WARNING: Any mistake in the wiring will result in transmission errors or a black-out.
               (including swapping the twisted strand pairs)

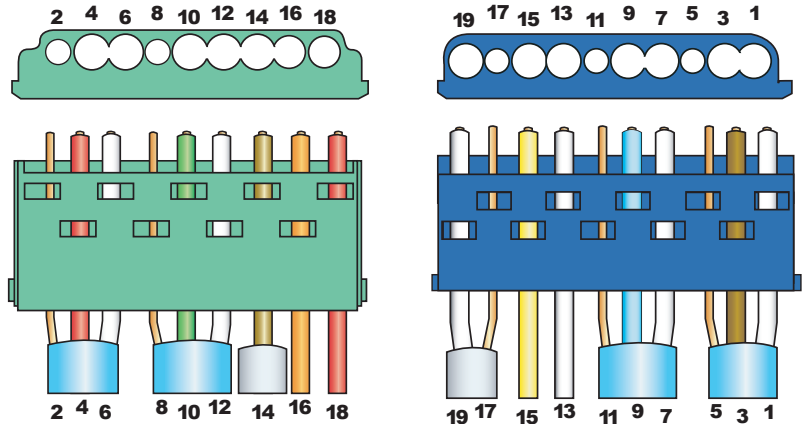      Please make sure, you're assigning the strands accordingly!

2.2   Hold the cables in the correct position and cut tham in a flat angle.

2.3   Put the strands into the green insertion helper.
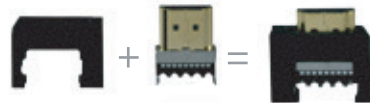      Now double check the strands by using the pin sorting template.

| Art. No. HI-HD-MSK | Page: 1/2 | Date: 2013 |
|---|---|---|
| IDC HDMI Steckverbinder | | |

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## Pin layout:

| Pins | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 |
|------|---|---|---|---|----|----|----|----|----|
| Wire Color | Twisted Pair with Red Wire | | | Twisted Pair with Green Wire | | | Yellow/Brown of Silver twisted pair | Orange | Red |
| | Drain | Red | White | Drain | Green | White | | | |

| Pins | 19 | 17 | 15 | 13 | 11 | 9 | 7 | 5 | 3 | 1 |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Wire Color | Silver Twisted Pair | | Yellow | White | Twisted Pair with Blue Wire | | | Twisted Pair w Brown Wire | | |
| | White | Drain | | | Drain | Blue | White | Drain | Brown | White |

### STEP 3: Pressure grouting the plug

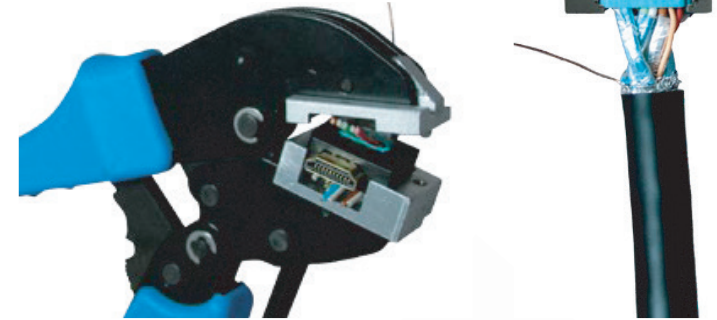3.1  Put the loose plug into the compression lead.

3.2  Push the blue and green insertion helpers into the clamping device.

- the blue 10 pole pin holder is for the 10 pole part of the plug.
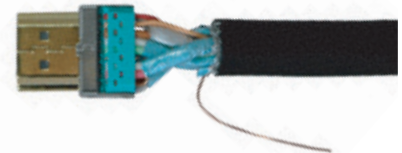- the green 9 pole pin holder is for the lower thin 9 pol pin holder of the plug.

3.3  Use the assembling tool to merge the plug with the cable permanently.
Put the cable lead into the compression lead!
Make sure that the cable leads have exactly the same orientation.
Push the cable lead with your thumb into the compression lead
until you hear a gentle click.

Crimp the plug.

### STEP 4: Installation in a case

4.1  Remove the plug from the black lead.

4.2  Place the plug and the cable in the bottom half of the metal case.
The green cable lead with the BILDERVERKLEIDUNG (?) has to face up.

4.3  Fix the cable with the help of the metal clamp in the dish.
Earthing
Shorten the earthing wire to about 5mm behind the clamp.

4.4  Mount the upper half of the metal dish with the enclosed screws.
Please make sure, that the tapped holes are exposed.

### STEP 5: Cable testing

We recommend to check the assembled cable with the Sommer Cable HD-T Cable Tester.

**Additional information:**

This plug connected is only suitable to be used in combination with a Sommer Cable „Transit High Speed HDMI with Ethernet" (Product ID: 612-0251)
Use of this plug connector with other cables could lead to errors or system damages.
Sommer Cable GmbH is not responsible for damages to this product.
Should you have any inquiries about the installation of this product, please feel free to contact us.