

- **Self-assembly solution**
- **Professional Series**  
Digital Cable





## KOMTECH HCL-Series (HDMI DIY) DIY = Do It Yourself



### Custom length HDMI Cables are Field Terminatable

KOMTECH's HCL Series offers the first all-in-one solution for field-terminate custom length HDMI cables. When installing cables, this series enables you quickly and easily customize the length of HDMI cables. Perfect for each application requiring specific lengths. This innovative connector also eliminates any excess cabling and resolves the problem of fitting the HDMI connector through the conduit.

All HCL Series Products can be terminated at lengths of up to 20m with resolutions of 1080p and 12-bit deep color. Greater lengths of up to 45m can be achieved by using an Extender or Repeater.

The HDMI connector is terminated by using an IDC-process (insulation displacement connection), which requires only a blade and our special hand tool. The process is simple and requires minimal training.

### All advantages at a glance

- *The solderless IDC process provides a much simpler, quicker and more exact termination method*
- *Improved productivity, better electrical performance, greater reliability and reduced energy consumption during production*
- *No need to use standard lengths*
- *More "user friendly" for technicians*
- *Run HDMI cables without having to worry about the bulky connector*
- *Avoids unnecessary cables*
- *Easier repair of the damaged HDMI connectors already sealed inside the walls*
- *Neat and clean wiring for satisfied customers*

### The HCL Series means time saving for the technician

Technicians often need to run cable through walls and within mounted systems to accommodate new or upgraded installation requests. As it's usually not possible to pull the HDMI connectors through the wall, it means that each of the 19 pins of the HDMI connector have to be individually soldered and tested. Current methods of soldering have drawbacks and can lead to a degraded signal or weak connection not to mention the time required for on-site technicians to handle all the wires and pins. More time means more expensive...

### The KOMTECH HCL DIY (Do-It-Yourself) Connector

This series enables you to run HDMI cables to a custom length exactly where it's needed. The connector core, which accepts the 19 wires from the guides and gets secured when the two guides snap together around it – the sharp, V-shaped metal pins cut through the wire insulation to form an electrical connections when secured. Two individual and locking color-coded wire guides used to hold the wires in the right order for the connector. The precision manufactured metal shell that fits around the connector provides superior EMI shielding and strain relief.

\* Maximum length and resolution are typical but not guaranteed.  
Distance and resolution vary based on source, device and display

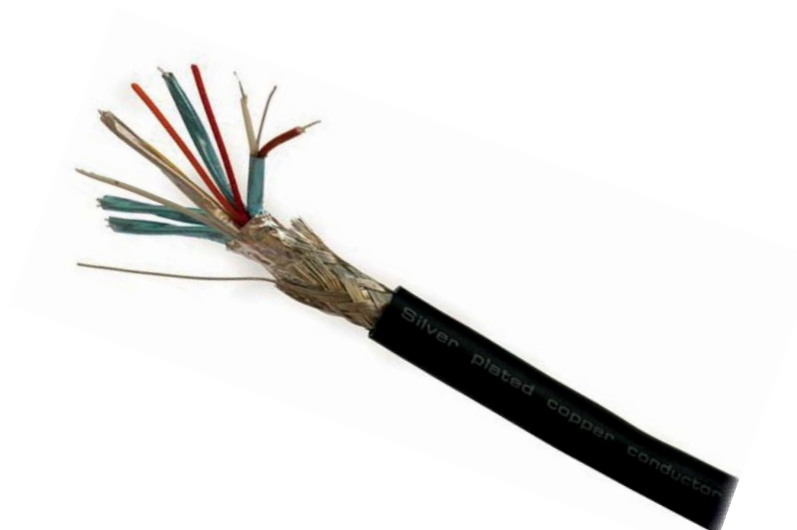
### The special hand tool

The hand tool used for field-terminating connectors was specifically designed for the HDMI connectors of the HCL series. The HDMI connector is terminated through the IDC-process (insulation displacement connection), which requires only a blade and this hand tool. The process is simple and requires only minimal training. During the IDS process insulated wires are mechanically forcing into a v-shaped metal blade. The opening of the v-shaped metal blade is smaller than the diameter of the wire that is being inserted. This causes the blades to spread open and expose the bare copper. The result is an exceptionally secure and reliable connection.



### The Cables

<b>HDMI HS Pro 24</b> Highspeed with Ethernet OD=9,5	<i>Super flexible, AWG 24            High purity copper            Tripple Shielded</i>
<b>HDMI HS AWG 26</b> Highspeed with Ethernet OD=8,3	<i>Super flexible, AWG 26            Silver plated copper            ripple Shielded</i>
<b>HDMI Ecoflex HS AWG 28</b> Highspeed OD=7,3	<i>Super flexible, AWG 28            High purity copper            ripple Shielded</i>



## Overview

### Starter Set



Everything keeps in place...

This practical, lightweight case ensures order and includes everything you need to crimp.

Included in delivery:

- 1 HDMI Crimp tool with 3 inserts
- 10-pack HDMI Crimp connectors

**Attention:** The portable cable tester is not included in delivery!

Type	Item No.
HDMI Crimp Starterset	05300999

### HDMI Connector Crimp - 10-pack



Type	Item No.
HDMI connector Crimp / 10-pack	05301001

### HDMI Crimp tool and spare parts



Type	Item No.
HDMI Crimp tool	05301002
Spare part - wire guiding (suitable for connector 05301001)	05301004
Spare part - compression guiding (suitable for Crimp tool 05301002)	05301005

### Overview Cable ready-made



**KOMTECH HDMI HS Pro 24**  
HDMI HighSpeed with Ethernet (AWG24)  
Delivery on 100m or 200m rolls

Type	Item No.
KOMTECH HDMI HS Pro 24 (pro m)	04000346

**HDMI Cable V1.4**  
Delivery on 50m rolls

Type	Item No.
HDMI Cable V1.4 (pro m)	05301000

**HDMI Ecoflex HS AWG 28**  
Type HighSpeed  
Delivery on 100m rolls

Type	Item No.
HDMI Cable V1.4 (pro m)	05301000

### Portable Cable Tester



Type	Item No.
Cable Tester	05301003

## Cable HDMI HSC Pro Series

### HDMI Cable Highspeed with Ethernet



**KOMTECH  
HDMI HS Pro 24**

- Gold plated connectors
- Super flexible cable with cable cross-section AWG 24
- HDMI v1.4 with Deep Color, x.v.Color™ and Ethernet Channel
- Ultra sealed Tripple Layer Shielding
- High purity copper conductors
- Bend radius < 120mm
- **Cable available as bulk (200m reel)**

**Functions with length > 10m could be limited  
by used source and equipment  
cable length > 10m a repeater is recommended**

Type		Item No.
Cable HDMI HSC male/male	3m	04001880
Cable HDMI HSC male/male	5m	04001881
Cable HDMI HSC male/male	10m	04001882
Cable HDMI HSC male/male	15m	04001883
Cable HDMI HSC male/male	20m	04001884
Cable HDMI HSC male/male	25m	04001885
Cable bulk ware KOMTECH HDMI HS Pro 24		04000346

## Cable DVID SL Pro Series

### DVI-D Cable 18+1 Single Link KOMTECH Professional Series



**Functions with length > 10m could be limited  
by used source and equipment  
cable length > 10m a repeater is recommended**



- Gold plated DVI-D connector 18+1
- Molded connectors or metal assembly
- UL + CL2 (safety compliance)
- Optimized for signals up to 1080p resp. 1920x1200@60
- DVI 1.0 / via adaptor useable for HDMI
- Bend radius < 106mm
- **Assembled length up to 50m**
- **Cable available as bulk (200m reel)**



Type		Item No.	Type		Item No.
Cable DVID SL Pro male/male - Molded	1m	04001853	Cable DVID SL Pro male/male - Metal	2m	04001860
Cable DVID SL Pro male/male - Molded	2m	04001840	Cable DVID SL Pro male/male - Metal	3m	04001861
Cable DVID SL Pro male/male - Molded	3m	04001841	Cable DVID SL Pro male/male - Metal	5m	04001862
Cable DVID SL Pro male/male - Molded	5m	04001842	Cable DVID SL Pro male/male - Metal	7,5m	04001867
Cable DVID SL Pro male/male - Molded	7,5m	04001847	Cable DVID SL Pro male/male - Metal	10m	04001863
Cable DVID SL Pro male/male - Molded	10m	04001843	Cable DVID SL Pro male/male - Metal	15m	04001864
Cable DVID SL Pro male/male - Molded	15m	04001844	Cable DVID SL Pro male/male - Metal	20m	04001865
Cable DVID SL Pro male/male - Molded	20m	04001845	Cable DVID SL Pro male/male - Metal	25m	04001866
Cable DVID SL Pro male/male - Molded	25m	04001846	Cable DVID SL Pro male/male - Metal	30m	04001868
Cable DVID SL Pro male/male - Molded	30m	04001848	Cable DVID SL Pro male/male - Metal	35m	04001869
Cable DVID SL Pro male/male - Molded	35m	04001849	Cable DVID SL Pro male/male - Metal	40m	04001870
Cable DVID SL Pro male/male - Molded	40m	04001850	Cable DVID SL Pro male/male - Metal	45m	04001871
Cable DVID SL Pro male/male - Molded	45m	04001851	Cable DVID SL Pro male/male - Metal	50m	04001872
Cable DVID SL Pro male/male - Molded	50m	04001852	<b>Cable bulk ware</b>		<b>04000345</b>



**KOMTECH Kommunikationstechnik GmbH**  
**Straßheimer Str. 45**  
**61169 Friedberg / Hessen**  
**Deutschland**  
**Fon 0049 (0) 60 31 / 79 47 - 0**  
**Fax 0049 (0) 60 31 / 79 47 - 47**  
**Mail [info@komtech.de](mailto:info@komtech.de)**  
**Web [www.komtech.de](http://www.komtech.de)**

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