

# Cables





## Overview Cables

### Ecoflex Cable

- Ecoflex VGA & Audio & LAN female/male 15/15
- Ecoflex VGA & Audio & LAN male/male 20/60
- Ecoflex VGA & Audio male/male 15/15
- Ecoflex VGA & Audio female/male 15/15
- Ecoflex VGA & Audio male/male 20/60
- Ecoflex VGA & Audio female/5xBNC female
- Ecoflex VGA & Audio male/male without Ferrit

### HDMI Cable

- HDMI Ecoflex male/male
- HDMI Passiv male/male
- HDMI Aktiv male/male
- HDMI HSC Pro Series
- HDMI HSX Series
- Nylon Series

### Cable ready-made, other cables

- DVI-D SL Pro Series
- VGA Cable
- DisplayPort Cable
- Adapter Cable

### Cable bulk

- VA 86 Video-/Audio-Cable
- VA 86 Video-/Audio-Cable (nonhalogen)
- S-Video Cable 0.36 / 1.5
- S-Video Cable 0.36 / 1.5 (nonhalogen)
- S-Video & Audio Cable
- RGB-Mini Cable
- RGB-Combicable Highflex
- RGB-Combicable Highflex (nonhalogen)
- VA-52 Highflex / Fest
- Mini-Videocable 0.36 / 1.5
- Videocable 0.6 / 3.7
- Videocable 0.6 / 3.7 (nonhalogen)

### HDMI Crimp

- HDMI Crimp Starter-set
- HDMI Crimptool
- HDMI Cable tester
- Spare part wire guiding for HDMI DIY
- Spare part compression guiding HDMI DIY
- HDMI Ecoflex HS AWG28
- KOMTECH HDMI HS Pro 24
- HDMI connectors

### Cable Accessories

- Motorized Cable Retractor
- Repeater
- Adapter & Gender Changer
- Cable drum, without cable, small
- Cable drum, without cable, medium
- Cable drum, without cable, big
- Wheel rack for big cable drum



## Cable ECOFLEX

The ECOFLEX cable VGA & Audio series is available in exact lengths and the following specifications.  
 It's a high flexible cable with extra short VGA males.  
 The videsignals are bounded about KOAX lines and the VGA cable is - except PIN9 - full assigned.  
 The ferrit bead is needless??? - Some cables are available without!!!  
 We advise this cable for resolutions up to 1600x1200.

### ECOFLEX cable VGA & Audio & LAN female/male

lengths 3m

As per description, VGA & Audio & LAN female on male.  
 The phone plug cables are 15cm longer on both sides.  
 ► Perfect e.g. for connection between connector panel and floor pod.



### ECOFLEX cable VGA & Audio & LAN male/male

lengths 1m, 2m, 3m

As described above, VGA & Audio & LAN male on male.  
 The phone plug cables are 20cm longer on one side and 60cm longer on the other side.  
 ► Perfect e.g. for connection between connector panel and floor pod.

Type			Item No.
Cable-ECO VGA & Audio & LAN female/male	3,0m	15/15	04001828
Cable-ECO VGA & Audio & LAN male/male	1,0m	20/60	04001810
Cable-ECO VGA & Audio & LAN male/male	2,0m	20/60	04001827
Cable-ECO VGA & Audio & LAN male/male	3,0m	20/60	04001813

### ECOFLEX cable VGA & Audio male / male

lengths 2m, 3m, 5m

As described above, VGA male on male.  
 The phone plug cables are 15cm longer on both sides.  
 ► Perfect e.g. for connection between connector panel and floor pod.



Type			Item No.
Cable-ECO VGA & Audio male/male	2,0m	15/15	04001802
Cable-ECO VGA & Audio male/male	3,0m	15/15	04001803
Cable-ECO VGA & Audio male/male	5,0m	15/15	04001804

### ECOFLEX cable VGA & Audio female / male

lengths 0,3m, 2,5m, 3m, 5m

As described above, VGA female on male.  
 The phone plug cables are 15cm longer on both sides.  
 ► Perfect e.g. for connection between connector panel and floor pod.



Type			Item No.
Cable-ECO VGA & Audio female/male	0,3m	15/15	04001805
Cable-ECO VGA & Audio female/male	1,0m	15/15	04001824
Cable-ECO VGA & Audio female/male	2,5m	15/15	04001806
Cable-ECO VGA & Audio female/male	3,0m	15/15	04001807
Cable-ECO VGA & Audio female/male	5,0m	15/15	04001808

## ECOFLEX cable VGA & Audio male / male

lengths 1m, 3m, 5m

As described above, VGA male on male.

The phone plug cables are 20cm longer on one side and 60cm longer on the other side.

▶ Perfect e.g. as patch cable between connector panel and PC/Notebook.

Type		Item No.
Cable-ECO VGA & Audio male/male 20/60	1,0m	04001809
Cable-ECO VGA & Audio male/male 20/60	2,0m	04001815
Cable-ECO VGA & Audio male/male 20/60	3,0m	04001811
Cable-ECO VGA & Audio male/male 20/60	5,0m	04001812
Cable-ECO VGA & Audio male/male 20/60	7,5m	04001833
Cable-ECO VGA & Audio male/male 20/60	10,0m	04001834

## ECOFLEX cable VGA female / 5xBNC female or male

length 0,35m

As described above, VGA female on 5x BNC female.

▶ Perfect e.g. for adaptation where space is limited.



Type		Item No.
Cable-ECO VGA female/5xBNC female	0,35m	04001825
Cable-ECO VGA female/5xBNC male	0,35m	04001899

## ECOFLEX cable VGA & Audio male / male **without ferrite**

lengths 2m, 3m, 5m

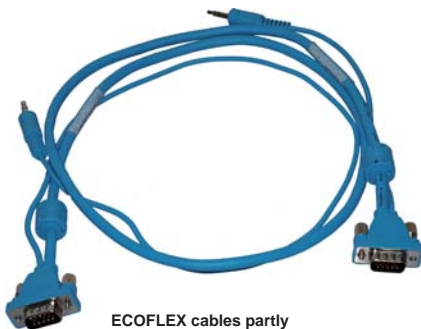
As described above, VGA & Audio without ferrite.

The phone plug cables are 20cm longer on one side and 60cm longer on the other side.

▶ Perfect e.g. for adaptation where space is limited.



Type		Item No.
Cable-ECO VGA & Audio male/male nF 20/60	2,0m	04001830
Cable-ECO VGA & Audio male/male nF 20/60	3,0m	04001831
Cable-ECO VGA & Audio male/male nF 20/60	5,0m	04001832
Cable-ECO VGA nF	1,0m	04001895
Cable-ECO VGA nF	2,0m	04001896
Cable-ECO VGA nF	3,0m	04001897
Cable-ECO VGA nF	5,0m	04001898



ECOFLEX cables partly available in pictured blue colour



Proportion contrast Ecoflex male / Standard male

### HDMI cable ECOFLEX series

The HDMI 1.3b / Cat2 cable from the Ecoflex series is optimized for digital signals up to a resolution of 1080p.

Audio and video data is transmitted with a data rate up to 340MHz / 10,2 Gigabit / s.

The cable has a metal connector HDMI type A. It is available in the lengths 0,5m, 1m, 2m 3m and 5m.

Other lengths available on request.



picture: HDMI cable 0,5m



picture: HDMI cable  
(ca. 1:1)

Type		Item No.
Kab-ECO HDMI male/male	0,5m	04001818
Kab-ECO HDMI male/male	1,0m	04001837
Kab-ECO HDMI male/male	2,0m	04001838
Kab-ECO HDMI male/male	3,0m	04001819
Kab-ECO HDMI male/male	5,0m	04001839

## HDMI Cable Active Series

### HDMI cable Active series

HDMI A plug (19pin) on HDMI A plug (19pin)  
Accredited HDMI 1.3 connecting cable with integrated  
signal amplifier and gold plated contacts, double screened

- Optimized for digital signals up to 1080p
- Transfers digital audio and video datas
- Transfer rate: up to 165MHz (5,2 Gigabit/s)
- HDMI accredited – version 1.2a



Type		Item No.
Cable Active Series HDMI plug/HDMI plug	15,0m	04001909
Cable Active Series HDMI plug/HDMI plug	20,0m	04001911
Cable Active Series HDMI plug/HDMI plug	30,0m	04001901
Cable Active Series HDMI plug/HDMI plug	40,0m	04001912

## HDMI HSC Pro Series

### HDMI Cable Highspeed with Ethernet KOMTECH Professional Series

in the lengths 3m, 5m, 10m, 15m, 20m, 25m

=> Also available as cable bulk (200m reel)

=> Also available in customized length

- Gold plated contacts
- High flexible cable with extra large diameter AWG 24
- HDMI v1.4 with Deep Color, x.v.Color™ and Ethernet Channel
- Ultra dense triple shielding
- High purity copper line
- Bending radius <120mm



### INFORMATION:

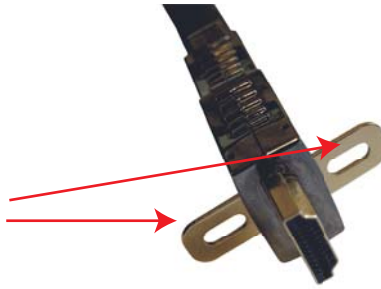
Depending on source and used hardware function could be affected at lengths about 10m.  
At length > 10m we recommend to use one of our repeater.

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

## HDMI HSX Series

HDMI Cable Highspeed with Ethernet  
**KOMTECH HSX Series**  
in the lengths 3m, 5m, 7,5m, 10m, 15m, 20m

=> With retractable screwed-on eyelets on both sides



- Gold plated contacts
- High flexible cable with extra large diameter AWG 24
- Supports HDMI 1.4 standard signals (Highspeed with Ethernet)
- Ultra dense triple shielding
- Black PVC sheathing
- CL3 / FT4 certified

### INFORMATION:

Depending on source and used hardware function could be affected at lengths about 10m.  
At length > 10m we recommend to use one of our HDMI repeater.

Type		Item No.
Cable HDMI HSX Series male/male	3m	04001930
Cable HDMI HSX Series male/male	5m	04001931
Cable HDMI HSX Series male/male	7,5m	04001932
Cable HDMI HSX Series male/male	10m	04001933
Cable HDMI HSX Series male/male	15m	04001934
Cable HDMI HSX Series male/male	20m	04001935

## HDMI Cable Nylon Series

### Properties:

- 30AWG
- PVC sheathing inside
- Nylon sheathing outside
- HighSpeed with Ethernet
- Solution up to 4k x 2K
- 24k gold plated connector
- 99,99° Oxygen free

Available in following length: 1m, 2m, 3m



Type		Item No.
Cable HDMI Nylon male/male	1,0m	04001940
Cable HDMI Nylon male/male	2,0m	04001941
Cable HDMI Nylon male/male	3,0m	04001942

## Cable DVI-D SL Pro Series

DVI-D Cable 18+1 Single Link

KOMTECH Professional Series

- ▶ Customized lengths up to 50m
- ▶ Also available as cable bulk ware (100m reel)
- ▶ Also available in customized lengths

- Gold plated DVI-D plug 18+1
- Molded plugs or metal cups
- UL + CL2 (safety compliance)
- Optimized for digital signals up to 1080p bzw. 1920x1200@60 Hz
- DVI 1.0 / over Adapter also applicable for HDMI
- Transmission rate up to 4.95 Gbps
- Bendind radius <106mm
- OD= 10,3mm, PVC



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

**VGA Cable**

Full occupied VGA cable  
KOMTECH Professional Series

- ▶ Optionally with molded plugs or with metal caps
- ▶ Gold plated contacts
- High flexible wire with extra large cross section
- High quality plug connections
- Full occupied (also PIN 9)
- Transmission of ID Bit signals
- UL 20276



Image:  
Item No. 04001960 VGA Cable  
with molded plug



Image:  
Item No. 04001995  
Cable VGA female / 5xBNC



Image:  
Item No. 04001950  
VGA Cable with metal plug

Type		Item No.
Cable VGA Pro male/male - molded plugs	2m	04001960
Cable VGA Pro male/male - molded plugs	3m	04001961
Cable VGA Pro male/male - molded plugs	5m	04001962
Cable VGA Pro male/male - molded plugs	10m	04001963
Cable VGA Pro male/male - molded plugs	15m	04001964
Cable VGA Pro male/male - molded plugs	20m	04001965
Cable VGA Pro male/male - molded plugs	25m	04001966
Cable VGA Pro male/male - metal plugs	2m	04001950
Cable VGA Pro male/male - metal plugs	3m	04001951
Cable VGA Pro male/male - metal plugs	5m	04001952
Cable VGA Pro male/male - metal plugs	10m	04001953
Cable VGA Pro male/male - metal plugs	15m	04001954
Cable VGA Pro male/male - metal plugs	20m	04001955
Cable VGA Pro male/male - metal plugs	25m	04001956
Cable VGA Pro female/male - metal plugs	2m	04001980
Cable VGA Pro female/male - metal plugs	3m	04001981
Cable VGA Pro female/male - metal plugs	5m	04001982
Cable VGA Pro female/male - metal plugs	10m	04001983
<b>▶ Further lengths on request!</b>		
Cable VGA male/male - metal plugs - customized length		04001990
Cable VGA male/female - metal plugs - customized length		04001991
Cable VGA female/female - metal plugs - customized length		04001992
Cable VGA male/5x BNC male - metal plugs - customized length		04001993
Cable VGA male/5x BNC female - metal plugs - customized length		04001994
Cable VGA female/5x BNC male - metal plugs - customized length		04001995
Cable VGA female/5x BNC female - metal plugs - customized length		04001996

## DisplayPort Cable

**DisplayPort Cable**  
**KOMTECH DPIL Series**  
 in the lengths 1m, 2m, 3m, 5m, 7,5m, 10m

- Gold plated contacts
- Solution up to 1920x1080 / 1080p Full HD
- Black
- OD=7,6mm



Type	Item No.
Cable DisplayPort DPIL male/male 1m	04001970
Cable DisplayPort DPIL male/male 2m	04001971
Cable DisplayPort DPIL male/male 3m	04001972
Cable DisplayPort DPIL male/male 5m	04001973
Cable DisplayPort DPIL male/male 7,5m	04001974
Cable DisplayPort DPIL male/male 10m	04001975

## DisplayPort Cable installation female / male

in the lengths 3m, 5m

- Cable colour: black
- Labeled



Type	Item No.
Cable DisplayPort installation female/male 3m	02000524
Cable DisplayPort installation female/male 5m	02000525

## DisplayPort Cable installation female / female

in the length 0,3m

- Cable colour: black
- Labeled

no image

Type	Item No.
Cable DisplayPort installation female/female 0,3m	02000526

## DisplayPort Cable Pro Serie

in the lengths 1m, 2m, 3m, 5m, 7,5m, 10m

- Version V1.2
- Full metal plug, AWG 30
- Cable colour: black
- Labeled

no image

Type	Item No.
Cable ProM male/male 1m	04001920
Cable ProM male/male 2m	04001921
Cable ProM male/male 3m	04001922
Cable ProM male/male 5m	04001923
Cable ProM male/male 7,5m	04001924
Cable ProM male/male 10m	04001925

## Adapter cable DisplayPort / DVI

in the lengths 1m, 2m, 3m, 5m

- Cable colour: black
- Labeled



Type	Item No.
Adapter cable DisplayPort male/DVI male 1m	04002010
Adapter cable DisplayPort male/DVI male 2m	04002011
Adapter cable DisplayPort male/DVI male 3m	04002012
Adapter cable DisplayPort male/DVI male 5m	04002013

## Adapter cable DisplayPort / HDMI

in the lengths 1m, 2m, 3m, 5m

- Cable colour: black
- Labeled



Type	Item No.
Adapter cable DisplayPort male/HDMI male 1m	04002000
Adapter cable DisplayPort male/HDMI male 2m	04002001
Adapter cable DisplayPort male/HDMI male 3m	04002002
Adapter cable DisplayPort male/HDMI male 5m	04002003

## Adapter Cable DVI-D SL to HDMI

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

in the lengths 1m, 2m, 3m, 5m, 10m, 15m

Gold plated DVI-D plug 18+1 / gold plated HDMI plug 19pin

- High flexible lines with extra large cross section (AWG24)
- UL + CL2 (safety compliance)
- Optimized for digital signals up to 1080p or 1920x1200@60Hz
- Suitable for DVI and HDMI signals
- Transmission rate: up to 4.95 Gbps
- Bending radius <106mm
- OD=10.3mm, PVC



### Information:

Depending on source and used hardware function could be affected at lengths about 10m.  
At length > 10m we recommend to use one of our repeater.

Type	Item No.
Cable DVI/HDMI Pro male/male 1m	04001740
Cable DVI/HDMI Pro male/male 2m	04001741
Cable DVI/HDMI Pro male/male 3m	04001742
Cable DVI/HDMI Pro male/male 5m	04001743
Cable DVI/HDMI Pro male/male 10m	04001744
Cable DVI/HDMI Pro male/male 15m	04001745

**KOMTECH VA 86 Video/Audio Cable**

8x75 Ω, 6x2x0,07 mm<sup>2</sup>, PVC



*For projects who wants more...*

A real all-rounder. Up to 8 video signals and 6 audio signals enabled parallel in one line. And that by a clear diameter of 13,5mm. A cable with indefinitely options.

**Application**

- Everywhere where several signal types should be bounded about one cable
- Mobile operating
- Fixed mounting

**Favored suitable for signal types like:**

- VGA, RGBHV
- RGBs
- YUV / RGB
- FBAS / Composite / Video
- Sym. Audio (Stereo)
- and, and, and ...

**Vantages**

- High flexible
- All-purpose
- Simple manufacturing

*...don't forget tension relief...*

**Technical Data**

Mounting, cross-section	8x0,36 mm / 6x2x0,07 mm <sup>2</sup> (7x0,12)
Cledding, diameter	PVC black 14,5 mm
Inner cledding (Audio)	PVC black / grey / white / yellow / orange / blue 2,6 mm
Inner cledding (Video)	PVC red / green / blue / black / white / yellow / orange / grey 2,6mm
Conductor isolation (Audio)	PVC white / red 0,9 mm
Conductor isolation (Video)	PE expanded 1,5mm
Screening / Coverage (Audio)	Copper tin-plated / 95-100%
Screening / Coverage (Video)	Copper netting, tin-plated 90%
Temperature range	-20°C up to +80°C
Weight by 1000 m	270 kg
Min. bending radius	290 mm
Packaged unit	100 m, 200 m, 250 m, 500 m roller, cut good

**Electrical Data**

Capacity by 1m (Audio)	120 pF
Capacity by 1m (Video)	59 pF
Conductor resistance by 1000m (Audio)	218 Ohm by 20°C
Conductor resistance by 1000 m (Video)	160 Ohm by 20°C
Impedance (Video)	75 Ohm
Damping by 100 m (Video)	1 MHz 2,0 dB
	2 MHz 2,6 dB
	5 MHz 4,2 dB
	10 MHz 5,9 dB
	20 MHz 8,6 dB
	50 MHz 14,0 dB
	100 MHz 20,2 dB
	200 MHz 29,6 dB

Type	Item No.
VA 86 (per m)	04000481

## KOMTECH S-Video Cable 0.36 / 1.5

2x75 Ω, PVC

*For colored pictures...*

Whenever it could be a little bit more, S-Video (alias YC...) is including to standard.  
The KOMTECH S-Video cable is ideal for high demand and the cleading – in ruggedized PVC – is also suitable for the rough live operation.



### Application

- Video- and monitor cable for high demands
- For connecting high-quality components
- Mobile operation
- Fixed mounting

### Favored suitable for signal types like:

- S-Video / YC
- FBAS / Composite / Video

### Vantages

- A lot of cable by small diameter
- Simple manufacturing

### Recommended BNC connector (Crimp)

- 02000054 BNC male, straight, Crimp
- 02000444 BNC male, angled, Crimp
- 02000019 BNC female, Crimp
- 02000302 BNC female, Einbau, Crimp

*...don't forget tension relief...*

### Technical Data

Mounting, cross-section	2x0,36 mm / 2x0,11 mm <sup>2</sup>
Cleaving, diameter	PVC black 7,0 mm
Inner conductor	Copper massiv wire
Inner cleaving	PVC green rather red 2,6 mm
Conductor isolation	PE expanded 1,5mm
Screening	Copper netting, blank
Coverage	90%
Temperature range	-15°C up to +80°C
Weight by 1000 m	47 kg
Min. bending radius	140 mm
Packaged unit	100 m, 200 m, 250 m, 500 m cable roller, cut good

### Electrical Data

Capacity by 1m	59 pF
Conductor resistance by 1000 m	160 Ohm
Impedance	75 Ohm
Damping by 100 m	1 MHz 2,0 dB
	2 MHz 2,6 dB
	5 MHz 4,2 dB
	10 MHz 5,9 dB
	20 MHz 8,6 dB
	50 MHz 14,0 dB
	100 MHz 20,2 dB
	200 MHz 29,6 dB

Type	Item No.
S-Video (per m)	04000205
S-Video, non-halogen	04001794

## KOMTECH S-Video & Audio Cable

2x75 Ω, 2x2x0,07 mm<sup>2</sup>, PVC



*For Audio and Video...*

When to good video comes the audio, this cable is the right choice. Certainly in professional symmetric types for audio. This cable is also suitable for mobile operation.

### Application

- Application with audio and video combination
- To connect high quality components
- Mobile operation
- Fixed installation

### Favored suitable for signal types like:

- S-Video / YC
- FBAS / Composite / Video

### Vantages

- A lot of cable by small diameter
- Simple manufacturing

*...don't forget tension relief...*

### Technical Data

Mounting, cross-section	2x0,36 mm / 2x2x0,07 mm <sup>2</sup> (7x0,12)
Cleading, diameter	PVC black 7,5 mm
Inner cleading (Audio)	PVC black / grey 2,4 mm
Inner cleading (Video)	PVC red / green 2,6
Conductor isolation (Audio)	PVC white / red 0,9 mm
Conductor isolation (Video)	1,5 mm PE
Screening / Coverage (Audio)	Copper tin-plated / 100%
Screening / Coverage (Video)	Copper netting, blank 90%
Temperature range	-15°C bis +80°C
Weight by 1000 m	75 kg
Min. bending radius	112,5 mm
Packaged unit	100 m, 200 m, 250 m, 500 m roller, cut good

### Electrical Data

Capacity by 1m (Audio)	120 pF
Capacity by 1m (Video)	59 pF
Conductor resistance by 1000m (Audio)	247 Ohm
Conductor resistance by 1000m (Video)	157 Ohm
Impedance (Video)	75 Ohm
Damping by 100 m (Video)	1 MHz 2,0 dB
	2 MHz 2,6 dB
	5 MHz 4,2 dB
	10 MHz 5,9 dB
	20 MHz 8,6 dB
	50 MHz 14,0 dB
	100 MHz 20,2 dB
	200 MHz 29,6 dB

Type	Item No.
S-Video & Audio (per m)	04000206

**KOMTECH RGB-Mini Cable**

3x75 Ω, PVC



*The classic art...*

Best choice for perfect colours. A cable, that makes no compromise in the face of video quality. Also suitable for YUV applications.

**Applications**

- Applications with high demand on audio and colour quality
- To connect high quality components
- Mobile operation
- Fixed installation

**Favored suitable for signal types like:**

- RGB / YUV
- S-Video / YC
- FBAS / Composite / Video

**Vantages**

- A lot of cable by small diameter
- Simple manufacturing

*...don't forget tension relief...*

**Technical Data**

Mounting, cross-section	3x0,36 mm
Cleading, diameter	PVC black 7,5 mm
Inner cleading	PVC red / green / blue 2,6
Conductor isolation	1,5 mm PE
Screening / Coverage	Copper netting, blank 90%
Temperature range	-15°C up to +80°C
Weight by 1000 m	65 kg
Min. bending radius	150 mm
Packaged unit	100 m, 200 m, 250 m, 500 m roller, cut good

**Electrical Data**

Capacity by 1m (Video)	59 pF
Conductor resistance by 1000 m	160 Ohm
Impedance	75 Ohm
Damping by 100 m	1 MHz 2,0 dB
	2 MHz 2,6 dB
	5 MHz 4,2 dB
	10 MHz 5,9 dB
	20 MHz 8,6 dB
	50 MHz 14,0 dB
	100 MHz 20,2 dB
	200 MHz 29,6 dB

Type	Item No.
RGB Mini (per m)	04000062

**KOMTECH RGB-Combi Cable Highflex**

5x75 Ω, HF 0.36/1.5 + 2x2x0,07 mm<sup>2</sup>, PVC



*The „all in one“ all-purpose cable...*

Here comes together what belongs together. What's video without audio?  
 The KOMTECH RGB-Combi Cable is high flexible and ideal for high demand.  
 It is also suitable for fixed installation and for mobile operation and offers the sui generis combination of small diameter, good damping value, high-flexible line and excellent processability.

**Application**

- Everywhere where several signal types should be bounded about one cable
- Mobile operating
- Fixed mounting
- Top Application: VGA+EDID+Audio-Stereo

**Favored suitable for signal types like:**

- VGA, RGBHV
- RGBs
- YUV / RGB
- FBAS / Composite / Video
- Sym. Audio (Stereo)

**Vantages**

- High flexible
- All-purpose
- Simple manufacturing

*...don't forget tension relief...*

**Technical Data**

Mounting, cross-section	5x0,36 mm / 2x2x0,07mm <sup>2</sup> (7x0,12)
Cleading, diameter	PVC black 9,5 mm
Inner cleading (Audio)	PVC black / grey 2,4 mm
Inner cleading (Video)	PVC red / green / blue / black / white 2,6
Conductor isolation (Audio)	PVC white /red 0,9 mm
Conductor isolation (Video)	PE expanded 1,5mm
Screening / Coverage (Audio)	Copper tin-plated / 100%
Screening / Coverage (Video)	Copper netting, blank 90%
Temperature range	-25°C up to +80°C
Weight by 1000 m	110 kg
Min. bending radius	142,5 mm
Packaging unit	100 m, 200 m, 250 m, 500 m roller, cut good

**Electrical Data**

Capacity by 1m (Audio)	120pF
Capacity by 1m (Video)	59pF
Conductor resistance by 1000m (Audio)	218Ω by 20°C
Conductor resistance by 1000m (Video)	160Ω by 20°C
Impedance (Video)	75Ω
Damping by 100 m (Video)	1MHz 2,0dB
	2MHz 2,6dB
	5MHz 4,2dB
	10MHz 5,9dB
	20MHz 8,6dB
	50MHz 14,0dB
	100MHz 20,2dB
	200MHz 29,6dB

Type	Item No.
RGB Combi, non-halogen (per m)	04001581

## KOMTECH VA-52 Highflex/F

5x75 Ω, HF 0.38/1.5 + 2x2x0,07 mm<sup>2</sup>, PVC

*The ideal cable for fixed laying...*

Here comes together what belongs together. What's video without audio?  
The KOMTECH VA-52 is high flexible and ideal for fixed laying.  
It is also suitable for mobile operation and offers the sui generis combination of small diameter, good damping value, high-flexible line and excellent processability. And this all by a super value for money!



### Application

- Everywhere where several signal types should be bounded about one cable
- Mobile operating
- Fixed mounting
- Top Application: VGA+EDID+Audio-Stereo

### Favored suitable for signal types like:

- VGA, RGBHV
- RGBs
- YUV / RGB
- FBAS / Composite / Video
- Sym. Audio (Stereo)

### Vantages

- High flexible
- All-purpose
- Simple manufacturing
- Excellent price performance ratio

### Technical Data

Mounting, cross-section	5x0,38 mm / 2x2x0,07 mm <sup>2</sup> (7x0,12)
Cleaving, diameter	PVC black 9,5 mm
Inner cleaving (Audio)	PVC black / grey 2,4 mm
Inner cleaving (Video)	PVC red / green / blue / black / white 2,6
Conductor isolation (Audio)	PVC white / red 0,9 mm
Conductor isolation (Video)	PE expanded 1,5mm
Screening / Coverage (Audio)	Copper tin-plated / 100%
Screening / Coverage (Video)	Copper netting, blank 90%
Temperature range	-15°C up to +80°C
Weight by 1000 m	110 kg
Min. bending radius	142,5 mm
Packaged unit	100 m, 200 m, 250 m, 500 m roller, cut good

### Electrical Data

Capacity by 1m (Audio)	120pF
Capacity by 1m (Video)	59pF
Conductor resistance by 1000m (Audio)	218Ω by 20°C
Conductor resistance by 1000m (Video)	160Ω by 20°C
Impedance (Video)	75Ω
Damping by 100 m (Video)	1MHz 2,0dB
	2MHz 2,6dB
	5MHz 4,2dB
	10MHz 5,9dB
	20MHz 8,6dB
	50MHz 14,0dB
	100MHz 20,2dB
	200MHz 29,6dB

*Minimum order quantity => 100m!*

Type	Item No.
VA-52 Highflex/F (per m)	04000017

**KOMTECH Mini – Video Cable 0.36 / 1.5**

75 Ω, PVC



*Finer – but also green...*

The video cable for short-range. Excellent suitable as patch cable. The green color signalized the asked impedance of 75 Ohm by broadcast operations. On massive wire consists the inner conductor, surrounded close with copper netting and the cladding – in ruggedized PVC – is also suitable for the rough live operation.

**Application**

- Flexible cable for the cubicle or the patch field
- Also suitable for single-ended internal wiring

**Favored suitable for signal types like:**

- FBAS / Composite / Video

**Vantages**

- Compact mounting / lower external diameter
- Excellent damping value in spite of narrow diameter

**Recommended BNC connector (Crimp)**

- 02000054 BNC male, straight, Crimp
- 02000444 BNC male, angled, Crimp
- 02000019 BNC female, Crimp
- 02000302 BNC female, mounting, Crimp

**Technical Data**

Mounting, cross-section	1x0,36 mm / 0,11 mm <sup>2</sup>
Cladding, diameter	PVC green 2,6 mm
Inner conductor	Copper massiv wire
Conductor isolation	PE expanded 1,5mm
Screening	Copper netting, blank
Coverage	90%
Temperature range	-15°C bis +80°C
Weight by 1000 m	13,5 kg
Min. bending radius	52 mm
Packaged unit	100 m, 200 m, 250 m, 500 m cable roller, cut good

*...don't forget tension relief...*

**Electrical Data**

Capacity by 1m	59 pF
Conductor resistance by 1000 m	160 Ohm
Impedance	75 Ohm
Damping by 100 m	1MHz 2,0dB
	2MHz 2,6dB
	5MHz 4,2dB
	10MHz 5,9dB
	20MHz 8,6dB
	50MHz 14,0dB
	100MHz 20,2dB
	200MHz 29,6dB

Type	Item No.
Mini Video Cable (per m)	04000019

**KOMTECH Video Cable 0.6 / 3.7**

75 Ω, PVC

*The classic in green...*

A standard cable for the video technician.  
 It is also suitable for mobile operation as for fixed installation.  
 The green color signalized the asked impedance of 75 Ohm by broadcast operations.  
 On massiv wire consists the inner conductor, surrounded close with copper netting.  
 The cleading – in ruggedized PVC – is also suitable for the rough live operation.



**Application**

- Image editing in the video technology
- Wiring of screens and control monitors
- Fixed installation in broadcast and studio sector
- For data communication
- In high-frequency engineering

**Favored suitable for signal types like:**

- FBAS / Composite / Video

**Vantages**

- Accurate impedance of 75 Ohm
- Ruggedized cleading

**Recommended BNC connector (Crimp)**

- 02000043 BNC male, straight, Crimp
- 02000033 BNC male, angled, Crimp
- 02000228 BNC female, Crimp
- 02000300 BNC female, mounting, Crimp

*...don't forget tension relief...*

**Technical data**

Mounting, cross-section	1x0,6 mm / 0,28 mm <sup>2</sup>
Cleading, diameter	PVC green 6,0 mm
Inner conductor	Copper massiv wire
Conductor isolation	PE expanded 3,7mm
Screening	Copper netting, blank
Coverage	90%
Temperature range	-15°C bis +80°C
Weight by 1000 m	50,9 kg
Min. bending radius	120 mm
Packaged unit	100 m, 500 m cable roller, cut good

**Electrical Data**

Capacity by 1m	70 pF
Conductor resistance by 1000 m	61 Ohm
Impedance	75 Ohm
Damping by 100 m	1 MHz     1,1 dB
	5 MHz     2,5 dB
	10 MHz    3,5 dB
	100 MHz   10,3 dB
	200 MHz   14,3 dB
	300 MHz   17,7 dB
	500 MHz   23,1 dB

Type	Item No.
Video (per m)	04000003
Video, non-halogen	04000341

## 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 a 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</i> <i>High purity copper</i> <i>Tripple Shielded</i>
<small>Please find the appertaining item no. on the following page!</small>	
<b>HDMI HS AWG 26</b> Highspeed with Ethernet OD=8,3	<i>Super flexible, AWG 26</i> <i>Silver plated copper</i> <i>Ripple Shielded</i>
<small>Please find the appertaining item no. on the following page!</small>	
<b>HDMI Ecoflex HS AWG 28</b> Highspeed with Ethernet OD=7,3	<i>Super flexible, AWG 28</i> <i>High purity copper</i> <i>Ripple Shielded</i>
<small>Please find the appertaining item no. on the following page!</small>	



## 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



# Accessories

## KOMTECH Motorized Cable Retractor

The KOMTECH motorized cable retractor managed the connector cables where they are needed.  
 With the help of an unique cable guide the cable can be pulled out easily up to 70cm. Because of its electromechanical design the cable will be removed automatically with constant power after use by touching an button with constant power. Same quality for more than 1000 uses.

When the cable is moved back to its basic position a watchdog unit looks if there is anything that handicaps the cable.

The cable retractor is an perfect complement for KOMTECH connector panels.  
 Installation options: horizontal or vertical.

Cables for following signals be supported:

- VGA
- Audio
- HDMI
- CATx
- Display Port
- USB 2.0
- DVI

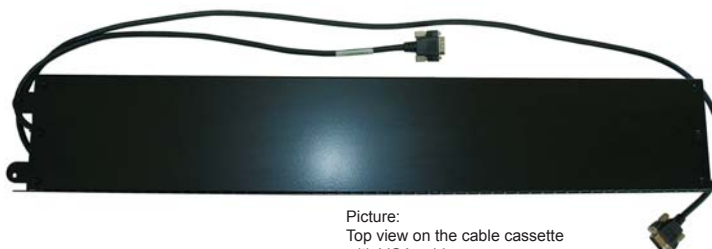
The foundation is an universal cassette without cables.  
 Cable configuration is optional of customers request.

### INFORMATION:

**Every cable requires its own cable cassette!**



Picture: Connectors



Picture: Top view on the cable cassette with VGA cable

### Technical data

Dimensions cable cassette (LxHxB) 660mm x 125mm x 42mm  
 Weight 4kg  
 Power connection 110V - 240V AC / 50-60Hz

### Accessories

Connector for button or external control  
 Mounting brackets  
 External power supply

Picture: Mounting bracket for vertical mounting



Picture: Mounting bracket for horizontal mounting



Example:  
 Desk connector panel T-300 with customized cable configuration, push buttons in stainless steel optics and two Schuko power socketw.  
 The motorized cable retractor disappears invisibly behind the connector panel and under the table.



Picture: Mounting bracket 90°

**You have questions?**  
**Or other different, individual ideas?**  
**► Our sales team will be pleased to help you!**

Type	Item No.
AF-Z motorized cable retractor	06004000
AF-Z Montagesatz Kabelumlenkung 90°	06004003
Power supply A for motorized cable retractor (for up to 2 cassettes)	06004001
Power supply B for motorized cable retractor (for up to 4 cassettes)	06004002

## HDMI Repeater (Equalizer)

- ▶ Max. cable length: Input 45m  
Output 5m (bei AWG24)
- ▶ HDCP compliant
- ▶ Supports solutions (max. 1.65 Gbps):
  - VGA
  - SVGA
  - XGA
  - SXGA
  - UXGA
  - 480i
  - 480p
  - 720p
  - 1080i
  - 1080p
- ▶ External power supply unnecessary (Power status LED)
- ▶ Metal housing
- ▶ Dimensions (LxWxH): 52x28x12 (mm)



### Information:

Maximum lengths of cables are depending on source, sink and used cable.  
In case of use without power supply the maximum lengths may be restricted.

We recommend to use professional AWG 24 cables from our range.

Type	Item No.
HDMI Repeater (Metal housing)	05301013

### HDMI Repeater (active GC)

- ▶ Max. cable lengths: In 35m  
Out 5m
- ▶ HDCP compliant
- ▶ Solutions up to 1080p (1.65 Gbps / 165 Mhz)
- ▶ HDMI 1.3 standard
- ▶ Optional external power supply 5V
- ▶ Dimensions (LxBxH): 49x27x15 (mm)



**Information:**

Maximum lengths of cables are depending on source, sink and used cable.  
In case of use without power supply the maximum lengths may be restricted.  
We recommend to use professional AWG 24 cables from our range.

Type	Item No.
HDMI Repeater (active GC)	05301010

### HDMI Repeater with cable secure

- ▶ Max. cable lengths: In 50m  
Out 5m
- ▶ HDCP compliant, 3D compatible
- ▶ Solutions up to 1080p (up to 2,25 Gbps)
- ▶ Supports DTS, Dolby, Audio 7.1
- ▶ Delivery incl. power supply (passive mode possible)
- ▶ Metal housing
- ▶ Dimensions (LxBxH): 82x45x25 (mm)



#### Information:

Maximum lengths of cables are depending on source, sink and used cable.  
In case of use without power supply the maximum lengths may be restricted.  
We recommend to use professional AWG 24 cables from our range.

Type	Item No.
HDMI Repeater with cable secure	05301011

## DVI Repeater (Equalizer)

### DVI-I to DVI-I female/female

- ▶ Max. Cable length: Input 45m  
Output 5m (bei AWG24)
- ▶ HDCP compliant
- ▶ Supported solutions (max. 1.65 Gbps):
  - VGA
  - SVGA
  - XGA
  - SXGA
  - UXGA
  
  - 480i
  - 480p
  - 720p
  - 1080i
  - 1080p
- ▶ Incl. external power supply (only optional necessary)
- ▶ Metal housing
- ▶ Dimensions (LxWxH): 68x45x16 (mm)



### Information:

Maximum lengths of cables are depending on source, sink and used cable.  
In case of use without power supply the maximum lengths may be restricted.

We recommend to use professional AWG 24 cables from our range.

Type	Item No.
DVI Repeater (Metal housing)	05301014

## Gender Changer DisplayPort female / female

with 2 fastening borings

- Gold plated contacts
- 8-bit and 10-bit Deep Color Support
- Adapted for bandwidths up to 10.8 Gbps (1080p)
- Supports auxiliary channel, 1 Mbps (AUX channel)



Type	Item No.
Gender Changer DisplayPort female/female	02000521

## Adapter DisplayPort / HDMI



Type	Item No.
Adapter DisplayPort / HDMI	05301009

## Adapter DisplayPort / DVI



Type	Item No.
Adapter DisplayPort / DVI	05301008

## HDMI Gender Changer

- Compact construction
- Gold plated contacts
- 1:1 feedthroughs of all contacts
- 2 through holes for fastening



Type	Item No.
Gender Changer HDMI female / female	02000420

## DVI Gender Changer for mounting without housing

- Compact construction
- Adapted for DVI-I Single-/Dual Link
- Adapted for DVI-D Single-/Dual Link
- Adapted for DVI-A
- 1:1 feedthroughs of all contacts
- Gold plated contacts



Type	Item No.
Gender Changer DVI female / female	02000421

## Adapter HDMI male / DVI-D female 24 +1



Type	Item No.
Gender Changer DVI female / female	02000530

**Adapter HDMI female / DVI-D male 24 +1**



Type	Item No.
Adapter HDMI female/DVI-D male 24+1	02000531

**Adapter HDMI female / DVI-D female 24+5**



Type	Item No.
Adapter HDMI female/DVI-D female 24+5	02000532

**Adapter DVI-I female / VGA male**



Type	Item No.
Adapter DVI-I female/VGA male	02000533

**Adapter DVI-I male / VGA female**



Type	Item No.
Adapter DVI-I male/VGA female	02000534

**Adapter DVI-I female 24+5 / DVI-D male 24+1**  
 allowed the use of DVI-I cables at DVI-D Equipment sockets



Type	Item No.
Gender Changer DVI female / female	02000535

## DVI / HDMI Adapter metal version

SuperSlim housing with RF block

### Adapter DVI female / DVI female, 90° angle



Type	Item No.
Adapter DVI female / DVI female 90°	02000540

### Adapter DVI female / DVI female, straight



Type	Item No.
Adapter DVI female / DVI female, straight	02000541

### Adapter DVI female / HDMI female



Type	Item No.
Adapter DVI female / HDMI female	02000542

### Adapter DVI male / HDMI female



Type	Item No.
Adapter DVI male / HDMI female	02000543

## DVI / HDMI Adapter in metal version

SuperSlim housing with RF Block

### Adapter DVI female / HDMI male, arranged offset



Type	Item No.
Adapter DVI female / HDMI female, arranged offset	02000544

### Adapter DVI female / HDMI male



Type	Item No.
Adapter DVI female / HDMI male	02000545

### Adapter DVI-I female / DVI-D male, straight



Type	Item No.
Adapter DVI-I female / DVI-D male	02000546

Cable drums



Cable drum, small  
without cable, for max. 38m



Cable drum, medium  
without cable, for max. 68m



Cable drum, big  
without cable, for max. 185m



Wheel rack for big cable drum

▶ On request the cables are wound up on cable drums without additional charge!

Type	Item No.
Cable drum small, without cable (max. 38m)	06001170
Cable drum medium, without cable (max. 68m)	06001171
Cable drum big, without cable (max. 185m)	06001172
Wheel rack	06001173





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