# DisplayPort cable

## audio/video connection for HD- and 3D content

Enjoy films or videos in HD and 3D – with billions of colours, soft image transitions and crystal clear sound. Its pure materials, precise workmanship, and modern technology enable this DisplayPort cable to link external monitors and projectors to a Notebook, Mac or PC. Mechanical locking of the plug prevents loose connections. Therefore, you can be sure that you get each picture and each sound exactly as it was meant to be.

- **mechanical locking of the DisplayPort plug prevents loose connections**
- **pure copper conductor and 2-way shielding for clear signal quality**
- **data transmission at up to 10.8 Gbit/s for 3D and HDTV up to 4K (2160p)**
- **24 carat gold-plated contacts for minimum transmission resistance**

## Specifications

### Connections

| | |
|---|---|
| Plug material: | triple-coated PVC / ABS |
| Contact material: | 24 carat gold-plated |
| Shielding: | yes |
| Port 1, type: | DisplayPort plug |
| Connector 1, connector length (mm): | 59.3 |
| Connector 1, connector width (mm): | 20.5 |
| Connector 1, connector height (mm): | 10 |
| Port 2, type: | DisplayPort plug |
| Connector 2, connector length (mm): | 59.3 |
| Connector 2, connector width (mm): | 20.5 |
| Connector 2, connector height (mm): | 10 |

### cable

| | |
|---|---|
| Type: | Round cable |
| Length (m): | 1 \| 2 \| 3 \| 5 \| 7.5 \| 10 \| 15 \| 20 |
| Inner conductor material: | OFC (Oxygen free copper) |
| Inner conductor diameter (mm): | 1 x 0.25 (1-3 m)<br>1 x 0.32 (5-7,5 m)<br>1 x 0.41 (10-15 m)<br>1 x 0.511 (20 m) |
| AWG: | 30 (1-3 m)<br>28 (5-7,5 m)<br>26 (10-15 m)<br>24 (20 m) |
| Number of shieldings: | 2 x |
| Type of 1st shielding | Aluminium foil |
| Type of 2nd shielding | Copper braid 112 wires x 0.10 mm<br>Cross section (1-3 m)<br>Copper braid 160 wires x 0.10 mm<br>Cross section (5-20 m) |
| Outer sheath material: | highly elastic PVC |
| Outer sheath diameter (mm): | 6.0 (1-3 m)<br>7.3 (5-7,5 m)<br>8.0 (10-15 m)<br>9.5 (20 m) |
| Kink protection: | on both sides |

### Signal transmission

| | |
|---|---|
| Transmission modes: | digital audio and video signals |
| max. Bandwidth (MHz): | 340 (0.5-7.5 m)<br>195 (10 m)<br>75 (15-20 m) |
| max. Transfer rate (Gb / s): | 10.8 (0.5-7.5 m)<br>4.95 (10 m)<br>2.25 (15-20 m) |
| max. Resolution: | 4K (2160p) |
| Supported color spaces: | 16/24 bit RGB/YUV, Deep Color, x.v.Color™ |
| Supported audio standards: | Dolby Digital/Plus, Dolby TrueHD, DTS-HD Master Audio™, DVD-Audio, SA-CD |
| Other supported standards: | 3D, HDCP, DRM, E-DDC, E-EDID, 4K (2160i/p), Full HD (1080i/p), HD ready (720i/p), SDTV (480i/p) |
| Characteristic impedance (Ω): | 100 |

### General

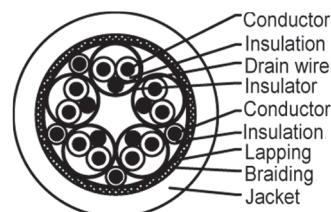| | |
|---|---|
| Operating temperature from / to (°C): | -10 / +80 |
| Warranty (years): | 10 |

HDMI™ connector (type A)     HDMI™ connector (type A)



### Cross section



Conductor
Insulation
Drain wire
Insulator
Conductor
Insulation
Lapping
Braiding
Jacket

### Wiring diagram



| DP PLUG 1 | Signal Assignment | DP PLUG 2 |
|---|---|---|
| 1 | | 12 |
| 2 | | 11 |
| 3 | | 10 |
| 4 | | 9 |
| 5 | | 8 |
| 6 | | 7 |
| 7 | | 6 |
| 8 | | 5 |
| 9 | | 4 |
| 10 | | 3 |
| 11 | | 2 |
| 12 | | 1 |
| 15 | | 15 |
| 16 | | 16 |
| 17 | | 17 |
| 13 | GND | 13 |
| 14 | GND | 14 |
| 18 | HotP lugD etect | 18 |
| 19 | Return | 19 |

Designed in Germany

10 Years Warranty — High-Quality Assurance

OFC 99,99% Oxygen Free Copper

24 Carat Gold — Anti Resistance Connections

2x Cable Shielding

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| Article no. | Cable lengths (m) | Packaging dimensions (mm) | | Weight (kg) | | Figure | EAN Code |
|---|---|---|---|---|---|---|---|
| 70710 | 1.00 | Single carton:<br>Master carton (40 pcs.): | 185 x 80 x 25<br>400 x 295 x 235 | Single carton:<br>Master carton: | 0.12<br>y.yy |  | 4 040849 707100 |
| 70711 | 2.00 | Single carton:<br>Master carton (30 pcs.): | 185 x 80 x 35<br>425 x 270 x 235 | Single carton:<br>Master carton: | 0.17<br>y.yy |  | 4 040849 707117 |
| 70712 | 3.00 | Single carton:<br>Master carton (24 pcs.): | 185 x 180 x 40<br>425 x 285 x 435 | Single carton:<br>Master carton: | 0.28<br>y.yy |  | 4 040849 707124 |
| 70713 | 5.00 | Single carton:<br>Master carton (20 pcs.): | 185 x 180 x 55<br>425 x 310 x 435 | Single carton:<br>Master carton: | 0.49<br>y.yy |  | 4 040849 707131 |
| 70714 | 7.50 | Single carton:<br>Master carton (20 pcs.): | 185 x 180 x 55<br>400 x 310 x 435 | Single carton:<br>Master carton: | 0.66<br>y.yy |  | 4 040849 707148 |
| 70715 | 10.00 | Single carton:<br>Master carton (16 pcs.): | 185 x 180 x 75<br>400 x 335 x 435 | Single carton:<br>Master carton: | 1.10<br>y.yy |  | 4 040849 707155 |
| 70716 | 15.00 | Single carton:<br>Master carton (8 pcs.): | 370 x 185 x 70<br>400 x 315 x 420 | Single carton:<br>Master carton: | 1.55<br>y.yy |  | 4 040849 707162 |
| 70717 | 20.00 | Single carton:<br>Master carton (6 pcs.): | 370 x 185 x 85<br>400 x 285 x 420 | Single carton:<br>Master carton: | 2.35<br>y.yy |  | 4 040849 707179 |

TARIC Code:        85444290900