

# DATASHEET

High Speed HDMI Cable with Ethernet, 4K60Hz, A-A M-M, 2m, black



## General data

Shielding: foil + braiding + PIMF

Conductor: bare copper, Jacket: PVC

HDMI™ plugs and contacts gold plated and moulded

**Cable length up to 20m! (black version)**

Full HD / 3D (up to 20m cable length) and 4K2K

HEC: HDMI™ Ethernet Channel, ARC: Audio Return Channel

## Technical properties

|                                     |                 |
|-------------------------------------|-----------------|
| 3D                                  | True            |
| ARC                                 | True            |
| Backwards compatible                | True            |
| Bending radius (dynamic/static)     | 40 mm           |
| CEC                                 | True            |
| Cable and plug compatibility        | High-Speed HDMI |
| Cable set                           | False           |
| Cable type (passive/active/optical) | passive         |
| Chip                                | False           |

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|                              |                                                                                                          |
|------------------------------|----------------------------------------------------------------------------------------------------------|
| Color depth                  | 12-Bit                                                                                                   |
| Compliant with               | TV                                                                                                       |
| Compressions technologies    | DSC                                                                                                      |
| Connection type connection 1 | Stecker                                                                                                  |
| Connection type connection 2 | Plug                                                                                                     |
| Connector 1 angulation       | 180°                                                                                                     |
| Connector 2 angulation       | 180°                                                                                                     |
| Contact Plating              | gold-plated                                                                                              |
| DSC                          | True                                                                                                     |
| Dust cover                   | True                                                                                                     |
| Enhanced Color               | Deep Color                                                                                               |
| HDCP Version                 | HDCP 2.2                                                                                                 |
| HDMI Power                   | True                                                                                                     |
| HDMI certified               | True                                                                                                     |
| HDR                          | HDR                                                                                                      |
| HEC (Ethernet channel)       | True                                                                                                     |
| Halogenfree                  | No                                                                                                       |
| Kink protection              | True                                                                                                     |
| MSA                          | False                                                                                                    |
| MST                          | False                                                                                                    |
| Material Connector Housing   | PVC molded                                                                                               |
| Material Inner Conductor     | BC                                                                                                       |
| Material jacket              | PVC                                                                                                      |
| Max. mating cycles           | 5000                                                                                                     |
| Max. resolution              | 4K@60Hz                                                                                                  |
| Model                        | Round Cable                                                                                              |
| Number of poles connection 1 | 19                                                                                                       |
| Number of poles connection 2 | 20                                                                                                       |
| Number of shieldings         | triple                                                                                                   |
| Operating temperature        | -5 - 45 °C                                                                                               |
| PCIe Data transfer           | False                                                                                                    |
| Plug dimensions Side 1       | 19.3*9.9*37.3mm                                                                                          |
| Plug dimensions Side 2       | 19.3*9.9*37.3mm                                                                                          |
| Printing                     | HIGH SPEED HDMI® CABLE WITH ETHERNET<br><a href="http://www.efb-elektronik.de">www.efb-elektronik.de</a> |
| Scope of delivery            | 1 x HDMI Cable                                                                                           |

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|                                |                                                                                              |
|--------------------------------|----------------------------------------------------------------------------------------------|
| Shielded                       | True                                                                                         |
| Speed                          | 18 Gbit/s                                                                                    |
| Supported audio formats        | compressed Audio format (Dolby Digital, Dolby TrueHD, DTS, DTS-HD Master Audio, Dolby Atmos) |
| Supported video standards      | 4K UHD - Ultra High Definition                                                               |
| Temperature                    | -20 - 70 °C                                                                                  |
| Tensile strength (short/long)  | 98,1 N                                                                                       |
| Type of connector connection 1 | HDMI Type A                                                                                  |
| Type of connector connection 2 | HDMI Type A                                                                                  |
| Type of packaging              | plastic bag                                                                                  |
| Type of signal                 | Digital                                                                                      |
| VESA certified                 | False                                                                                        |
| VRR                            | False                                                                                        |
| Various lengths cable set      | 1x0.5m                                                                                       |
| Version                        | HDMI Version 2.0                                                                             |
| Warranty                       | 36 months                                                                                    |
| With termination resistor      | False                                                                                        |
| eARC                           | False                                                                                        |

### Available variants

| ArtNr.      | Bezeichnung                                                       | Colour  | Length | Diameter | AWG   |
|-------------|-------------------------------------------------------------------|---------|--------|----------|-------|
| K5431SW.0,5 | HighSpeed HDMI Cable with Ethernet 4K60Hz,A-A St-St, 0,5m, black  | schwarz | 0.5 m  | 6.0 mm   | 30AWG |
| K5431SW.1   | High Speed HDMI Cable with Ethernet, 4K60Hz, A-A M-M, 1m, black   | schwarz | 1.0 m  |          |       |
| K5431SW.10  | High Speed HDMI Cable with Ethernet, 4K60Hz, A-A M-M, 10m, black  | schwarz | 10.0 m | 8.0 mm   | 26AWG |
| K5431SW.15  | High Speed HDMI Cable with Ethernet, 4K60Hz, A-A M-M, 15m, black  | schwarz | 15.0 m | 8.0 mm   | 26AWG |
| K5431SW.2   | High Speed HDMI Cable with Ethernet, 4K60Hz, A-A M-M, 2m, black   | schwarz | 2.0 m  |          |       |
| K5431SW.20  | High Speed HDMI Cable with Ethernet, 4K60Hz, A-A M-M, 20m, black  | schwarz | 20.0 m | 9.0 mm   | 24AWG |
| K5431SW.3   | High Speed HDMI Cable with Ethernet, 4K60Hz, A-A M-M, 3m, black   | schwarz | 3.0 m  | 6.0 mm   | 30AWG |
| K5431SW.5   | High Speed HDMI Cable with Ethernet, 4K60Hz, A-A M-M, 5m, black   | schwarz | 5.0 m  |          |       |
| K5431SW.7,5 | High Speed HDMI Cable with Ethernet, 4K60Hz, A-A M-M, 7,5m, black | schwarz | 7.5 m  | 7.3 mm   | 28AWG |

### Note on Intended Use

This data sheet is intended solely to describe the technical characteristics of the product. It does not replace an assessment of the product's suitability for a specific application. The user is responsible for ensuring that the product is used in accordance with its technical specifications and applicable legal and regulatory requirements.

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