DATA SHEET

Features

▷ HDMI 2.0 version – 18Gbps bandwidth, electrically tested, supporting a maximum resolution of 4K UHD @60Hz

▷ Gold-plated precision contacts with integrated 4K chipset (TX/RX) for enhanced signal stability

▷ HDMI-A male to HDMI-A male – Source and Display ends distinguished, black aluminum housing

▷ Hybrid cable – 4 OM2 optical fibers for AV signal transmission; precision copper conductor array for power and data transmission, cable diameter 4.7mm

▷ Power-free Active Optical Cable (AOC) technology, multi-layer shielding for electromagnetic interference (EMI) resistance, low attenuation for long-distance transmission. Supports HDR, HDCP and ARC (Audio Return Channel) functions

Connections

Connector material	Black aluminum housing / Plastic injection molded outer shell
Contact material	Gold-plated
Connector 1	HDMI-A male with 4K Chipset (TX), marked as "Source"
Connector 1 dimension	57 x 20.8 x 11.2 mm
Connector 2	HDMI-A male with 4K Chipset (RX), marked as "Display"
Connector 2 dimension	57 x 20.8 x 11.2 mm

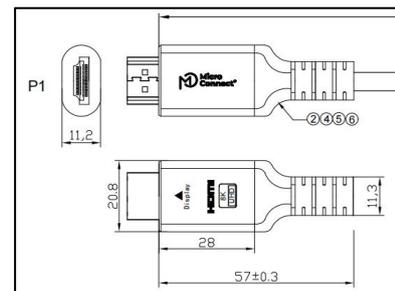

Cable

Type	Active Optical Cable (AOC) hybrid fiber/copper cable (2P+3C+4 OM2 structure)
Construction	4 OM2 optical fibers, 7 copper conductors
Optical converter	4K signal processing chipset (TX Transmitter + RX Receiver）
Jacket Outer Material	PVC (Full matte black)
Cable Outer Diameter	4.7mm
Minimum Bend Radius	45mm (static), 90mm (dynamic)
Tensile Strength	Up to 200N+

Signal Transmission

Transmission Modes	Optical fiber for audio and video (AV) transmission, copper wire for power and data (DDC/CEC) transmission
Standard	High Speed HDMI Cable, compatible with HDMI 2.0a version
Bandwidth	18 Gbps, supporting 4K UHD @60Hz 4:4:4 / HDR / HDCP testing
ARC Compatibility	Supports
Output Power	5V HDMI (Power drawn from the Source end)

General Specifications

Transmission Distance	10m, 15m, 20m, 25m,30m,50m
Operation/StorageTemperature	-20-70°C / -25-80°C
Relative Humidity	10-80%
Power Supply	No external power supply required (Power drawn from the signal source device)
Certification	CE, REACH, ROHS

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