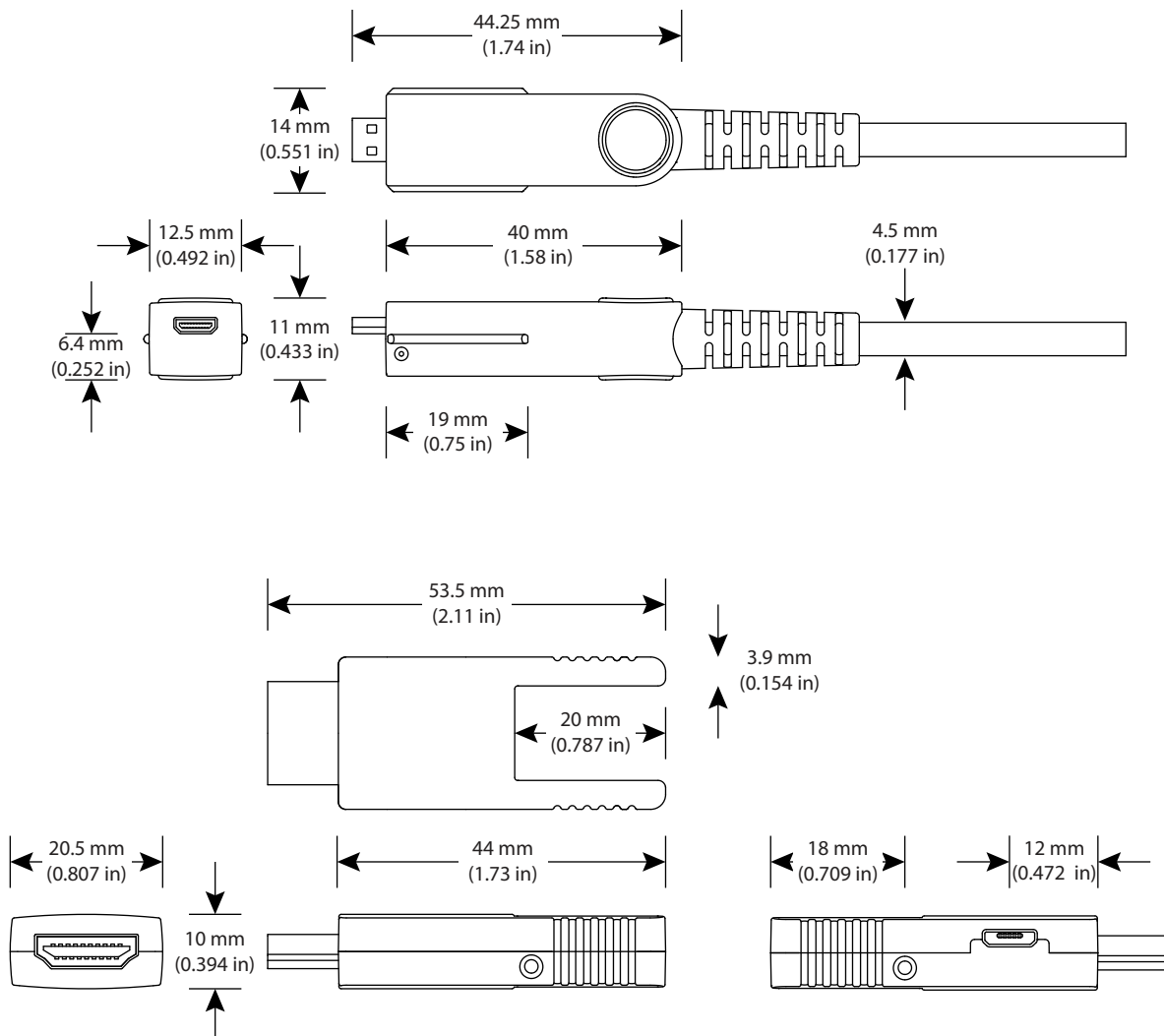


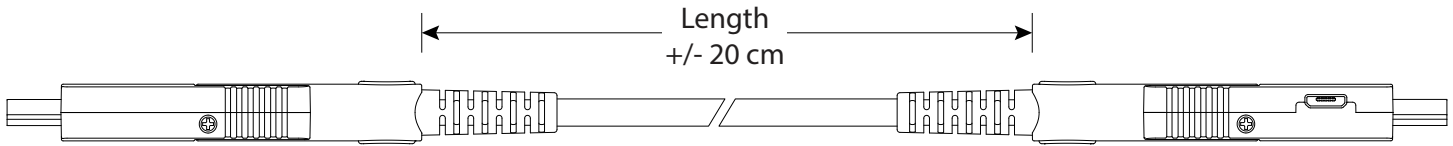
Technical Specifications

MOFO-HD21D

MOFO™ Media Over Fiber Optic cable – 48G HDMI with detachable heads – plenum rated

- Plenum-rated jacket
- Fiber-based HDMI cable
- Detachable heads with cable pull housing for easier installation
- No power required; embedded power booster with cable included for low powered HDMI devices
- Backwards compatible with HDMI 2.0 & HDMI 1.4 devices
- Supports 48G 8K60 Dynamic HDR / HDCP 2.2 / 3D / Deep Color
- Supports VRR / QMS / QFT / ALLM / DSC
- Supports EDID / CEC / HEC
- Supports multi-channel audio / Dolby TrueHD / DTS-HD Master Audio / ARC / eARC
- Directional operation – clearly marked source & display headshells
- Interference-free performance
- Four strand multimode OM3 construction – supports re-termination in the field
- Recommended for conduit/pipe/duct diameters of 3/4" or greater
- Includes a DC cable to optionally connect an external 5V power supply
- Available in lengths from 3m (9.84 ft) to 100m (328 ft)





Fixed Head Shell Specifications

Overall Dimensions with Connector (W X H X D)	14mm (0.551 in) x 11mm (0.433 in) x 44.25mm (1.75 in)
Overall Dimensions without Connector (W X H X D)	14mm (0.551 in) x 11mm (0.433 in) x 40mm (1.58 in)
Connector	Male HDMI Type D (micro HDMI)
Mounting Screw Size	M2-0.4
Materials	Anodized aluminum

Detachable Head Shell Specifications

Overall Dimensions with Connector (W X H X D)	20.5mm (0.807 in) x 10mm (0.394 in) x 53.5mm (2.11 in)
Overall Dimensions without Connector (W X H X D)	20.5mm (0.807 in) x 10mm (0.394 in) x 44mm (1.73 in)
Connector	Female HDMI Type D (micro HDMI) Male HDMI Type A Female Mini USB Type B
Mounting Screw Size	M2-0.4
Materials	Anodized aluminum

Signal Specifications

Signal Type and Maximum Bandwidth	HDMI 2.1 down to HDMI 1.4: 12 Gbps x 4 channel (48G) maximum
HDCP Support	HDCP 2.3 down to HDCP 1.4
Supported Resolutions	480p, 720p, 1080i and 1080p deep color, 4Kp50/60/100/120 and 8Kp50/60

Electrical and Optical Specifications

Supply Voltage from Host Device	4.75 to 5.25V (5V typ.)
Power Consumption	250mW (max)
Differential Impedance	100Ω
Optical Transmitter	4-channel 850nm VCSEL array (multimode)
Optical Receiver	4-channel GaAs PD array
Source Side Optical Output Power	0 dBm minimum
Display Side Optical Sensitivity	-7.5 dBm minimum

Cable Specifications

Cable Type	Hybrid optical (OM3) and copper (8-strand)
Cable Diameter	4.5mm (0.177 in)
Minimum Bend Radius	45mm (1.77 in)
Tensile Strength	145N (32.5 lbs)
Jacket Material	Black plenum-rated PVC

Environmental Specifications

Operating Temperature (Environment)	0° to +50° C (32° to 122° F)
Storage Temperature (Environment)	-20° to +70° C (-4° to 158° F)
Storage Relative Humidity (Environment)	10% to 85%

Other

Warranty	1 year
Included Accessories	1 ea 2m (6.5 ft) HDMI Ultra Male to Male Cable 1 ea 2m (6.5 ft) Right Angle Micro USB Type B to USB Type A Cable 1 ea T-shaped Screwdriver 1 ea Cable Pull Cover

SKUs and Cable Lengths

MOFO-HD21D-03	3m (9.84 ft)
MOFO-HD21D-05	5m (16.4 ft)
MOFO-HD21D-08	8m (26.25 ft)
MOFO-HD21D-10	10m (32.8 ft)
MOFO-HD21D-15	15m (49.2 ft)
MOFO-HD21D-23	23m (75.5 ft)
MOFO-HD21D-30	30m (98.4ft)
MOFO-HD21D-40	40m (131.2 ft)
MOFO-HD21D-50	50m (164 ft)
MOFO-HD21D-60	60m (197 ft)
MOFO-HD21D-70	70m (230 ft)
MOFO-HD21D-80	80m (262 ft)
MOFO-HD21D-90	90m (295 ft)
MOFO-HD21D-100	100m (328 ft)