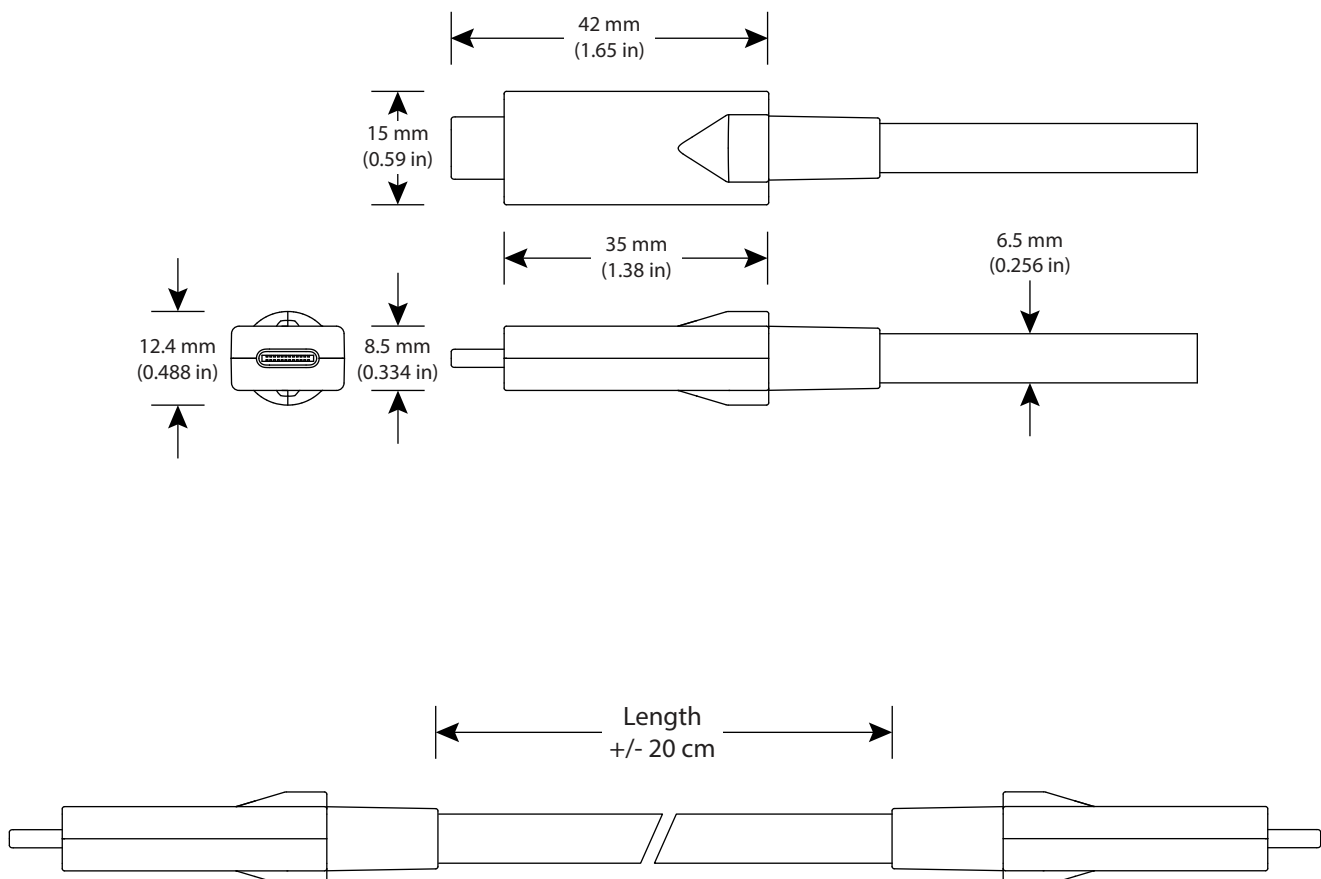


Technical Specifications

MOFO-USBC

MOFO™ Media Over Fiber Optic cable – USB 3.2/2.0/1.1 Type C to Type C – plenum rated

- True fiber cable core using TechLogix's MOFO™ technology
- Plenum-rated jacket; fiber-based USB cable
- Male Type C USB connector to male Type C USB connector
- Compatible with USB 3.2 Gen 2 (SuperSpeed 10G) devices and USB 2.0 (high-speed) devices
- Extends power for devices up to 60 watts (20V/3A)
- Supports 2-lane DisplayPort 1.2 video (16.2 G)
- Directional configuration for video; non-directional for data and power
- No power required (completely powered by USB bus)
- Plug-and-play – no drivers required
- True fiber cable core using TechLogix's MOFO™ technology
- Metal molded connector headshells
- Interference-free performance
- Recommended for conduit/pipe/duct diameters of 3/4" or greater



Head Shell Specifications

Dimensions (W X H X D) without Connector	15mm (0.59 in) x 12.4mm (0.488 in) x 35mm (1.38 in)
Dimensions (W X H X D) with Connector	15mm (0.59 in) x 12.4mm (0.488 in) x 42mm (1.65 in)
Connector	Male USB Type C
Materials	Anodized aluminum

Signal Specifications

USB Signal Type	SuperSpeed (10G), High Speed, Full Speed
Supported Device Types at Host	Control, interrupt, bulk, and isochronous
Video Capability	2-lane DisplayPort 1.2 (16.2 G max)
Power Delivery	Up to 20V at 3 A (60 watts)

Electrical and Optical Specifications

Supply Voltage from Host Device	4.75 to 5.25V (5V typ.)
Current Draw from Host Device	49.5 to 60.5mA (55mA typ.)
Differential Impedance	90Ω
Optical Transceiver	850nm VCSEL (multimode)
Host Side Optical Output Power	0 dBm minimum
Random Jitter	3 ps maximum
Deterministic Jitter	60 ps maximum
Total Jitter at 10-12 BER	100 ps maximum
Device Side Optical Sensitivity	-7.5 dBm minimum
Device Side AC Coupling Capacitor on Output	75 to 200 nF (100 nF typical)

Cable Specifications

Cable Type	Hybrid optical (OM3) and copper (8-strand)
Cable Diameter	6.5mm (0.189 in)
Minimum Bend Radius	45mm (1.77 in)
Tensile Strength	200N (45 lbs)
Crush Resistance	100N/100mm (145 psi)
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
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SKUs and Cable Lengths

MOFO-USBC-03	3m (9.8 ft)
MOFO-USBC-05	5m (16.4 ft)
MOFO-USBC-08	8m (26.25 ft)
MOFO-USBC-10	10m (32.8 ft)