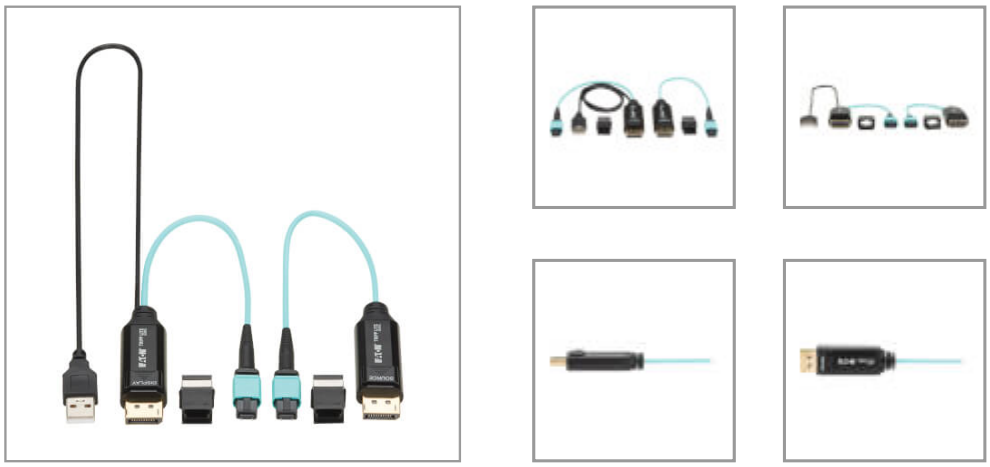
DisplayPort Fiber Extender Terminations for MPO Fiber Optic Cable - 8K 60 Hz, 32.4 Gbps, LSZH, Up to 328 ft. (100 m)

MODEL NUMBER: **P580F-000**



Extends 8K video over OM3 fiber optic cable between DisplayPort source and display devices up to 328 ft. apart.

Features

Extends 8K Video Transmissions up to 328 ft.
This DisplayPort-to-MPO termination kit is recommended for data centers, medical imaging, stereoscopic 3D photography, military surveillance, security systems and other audio/video applications in which the source and display are placed far apart. Connect an included extender to both the DisplayPort source and display, and use the included adapters to connect the extenders to an MPO cable.

Transmits 8K Video with HDR and 4:4:4 Color
The P580F-000 supports Ultra HD 8K resolutions at 60 Hz with bandwidths up to 32.4 Gbps, as well as 4K resolutions at 120 Hz. It supports HDR (High Dynamic Range), providing a wide range of vibrant colors with richer contrast, brighter whites and deeper blacks that pop on your 4K or 8K display. HDCP 2.3 encryption allows you to stream 4K or 8K content with no loss in resolution. This termination kit also supports uncompressed 4:4:4 chroma subsampling for top-level PC gaming or using your HDTV as a PC monitor.

Easy to Pair with Eaton Tripp Lite Series Fiber Cabling
The P580F-000 is compatible with N844A-Series multimode OM3 MPO fiber cables, including N844A-10M-8-P, N844A-15M-8-P, N844A-20M-8-P and N844A-30M-8-P (sold separately).

Highlights

- Supports UHD resolutions up to 8K @ 60 Hz (4:4:4) with High Dynamic Range (HDR)
- Made from lightweight, flexible fiber ideal for long-distance, high-density cable runs
- Compatible with high-bandwidth applications up to 32.4 Gbps
- Recommended for military surveillance, medical imaging, security and other vital applications

System Requirements

- 8-fiber OM3 Type-A polarity fiber cable (N844A-10M-8-P, N844A-15M-8-P, N844A-20M-8-P and N844A-30M-8-P, for instance)
- Every connected component, including source, display and MPO cable, must support the desired resolution and refresh rate

Package Includes

- P580F-000 DisplayPort Fiber Extender Termination Kit with male MPO connectors
- (2) MPO adapters (M/F)
- Installation instructions

Specifications

OVERVIEW	
UPC Code	037332292445
Product Type	Video Extender
Technology	DisplayPort
VIDEO	

Video Input	DISPLAYPORT (MALE)
Video Output	DISPLAYPORT (MALE)
Max Supported Video Resolution	3840 X 2160 120HZ (4K)
Max Supported Color Depth	48-bit Deep Color
HDR Support	Yes
3D Video Supported	No
Chroma Sub Sampling	4:2:0; 4:2:2; 4:4:4
DisplayPort Alt Mode	No
CONNECTIONS	
Side A - Connector 1	DISPLAYPORT (MALE)
Side B - Connector 1	12F MPO (MALE); USB A (MALE)
Connector Plating	Gold
Contact Plating	Gold
Latching or Gripping Connector	No
PHYSICAL	
Material of Construction	PVC
Cable Jacket Color	Aqua
Connector Color	Aqua; Black
Cable Jacket Rating	LSZH
Cable Outer Diameter (OD)	3.0MM
Cable Length (ft.)	0.7
Cable Length (m)	0.21
Cable Length (in.)	7.87
Shipping Dimensions (hwd / in.)	0.98 x 5.91 x 4.33
Shipping Weight (kg)	0.20
Unit Dimensions (hwd / in.)	0.980 x 5.910 x 4.330
Unit Packaging Type	Box
ENVIRONMENTAL	
Operating Temperature Range	14° to 131°F (-10° to 55°C)
Storage Temperature Range	-13° to 158°F (-25° to 70°C)
Operating Humidity Range	10% TO 85% RH, NON-CONDENSING
Storage Humidity Range	5% TO 90% RH, NON-CONDENSING
Power Provided to Connected Device(s)	5V

COMMUNICATIONS	
EDID Compatible	No
Consumer Electronics Control (CEC) Supported	No
FEATURES & SPECIFICATIONS	
EMI/RFI Line Noise Protection	No
Integrated/Removable Cable	No
MST Support	No
Antibacterial	No
Fully Molded Connector Ends	No
Ohms	No
Integral Strain Relief	No
Impedance-Matched Twisted-Pair Construction	No
Scaler Function	No
IP67 Rated	No
Armored Cable	No
Displayport Specification	1.2; 1.4
HDCP Specification	1.4; 2.3
Driver Required	No
DIN Mountable	No
STANDARDS & COMPLIANCE	
Product Compliance	CE (Europe); FCC Part 15 Class B (USA); REACH; UKCA
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	Lifetime limited warranty

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