

MTP®16 Array Cord

MTP®16 APC to 2MTP®8 UPC, 16 Fibers, 3.0mm



Description

The MTP®/MPO-16 Cable Assemblies shall allow for rapid deployment of high-density permanent links in a single assembly for data center applications requiring quick infrastructure deployment, such as main, horizontal, and zone distribution areas. MPO16 trunk cable assemblies are factory terminated and tested to deliver verified optical performance and reliability to support all MPO16 applications including 400GSR8, 800G-SR8 as well as 800GBASE-DR8.

These ultra high bandwidth applications are used for high-speed switch to switch links, and to support artificial intelligence (AI) and machine learning (ML) applications. MPO-16 Interconnect cable assemblies shall allow for rapid deployment and breakout of parallel applications such as 400GBASE-SR8 to 2 x 200GBASE-SR4.

Features

- Choosing between male and female connectors.
- Available in assignment variants polarity A or B
- 100% tested for Insertion loss, Return Loss and end face geometry
- Provided with serial number, barcode
- All available variants can be created with the MTP configurator
- MTP® is a registered trademark US Conec Ltd., USA
- Meets and exceeds Telcordia GR-326/GR-1435
- IEC 61754-7 / TIA 604-5 / TIA/EIA-604-10

Applications

- Telecommunication network
- Data communication network
- Enterprise network
- Intra building backbone
- 400GBASE-SR8
- 800GBASE-SR8
- 800GBASE-DR8

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Construction

Parameter			Value
Cable Construction	Number of fibers		16 Fibers
	Fiber type	OS2	Eg/125 low bend
		OM4	G50/125-OM4 low bend (IEC 60793-2-10 A1a.3)
		OM5	G50/125-OM5 low bend (IEC 60793-2-10 A1a.4)
	Cable type		3.0mm Indoor round cable
	Cable Jacket color	OS2	Yellow
		OM4	Heather Violet
		OM5	Lime Green
Cable Jacket ratings		LSZH(Low Smoke Zero Halogen) OFNR-LSZH OFNP	
Connector Types	End 'A' MTP®16 Female		Multimode MTP® connectors are APC Single mode MTP connectors are APC
	End 'B' MTP®8 Female		Multimode MTP® connectors are UPC Single mode MTP connectors are APC

Optical properties

Parameter			Value
MTP Connector Optical Performance	Insertion Loss IEC61300-3-4	Single mode	≤ 0.30dB(Low-Loss)
		Multimode	≤ 0.30dB(Low-Loss)
	Return Loss IEC61300-3-6	Single mode	≥ 60dB(APC)
		Multimode	≥ 25dB(UPC)
Cable Attenuation	Singlemode	OS2	≤ 1.0dB/km at 1310/1550nm
	Multimode	OM4	≤ 3.0dB/km at 850nm
		OM5	≤ 1.0dB/km at 1300nm

Environmental properties

Parameter		Value
Temperature	Storage Temp.	-40 °C to +70 °C
	Installation Temp.	-10 °C to +60 °C
	Operating Temp.	-10 °C to +70 °C

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Drawing



< Female MTP®16 to Female 2MTP®8, 16 Fibers, 3.0mm >

Ordering information

Part number	Description of Products	Remark
MAC-MTP-FF-OM4-12B16Y-B-XXX	MTP® Array Cord, Female MTP®16 APC to Female 2MTP®8 UPC -OM4-Base-16-YYYY-XXX-Type B, Low-Loss	Low-Loss
MAC-MTP-FF-OM5-12B16Y-B-XXX	MTP® Array Cord, Female MTP®16 APC to Female 2MTP®8 UPC -OM5-Base-16-YYYY-XXX-Type B, Low-Loss	
MAC-MTP-FF-SM-12B16Y-B-XXX	MTP® Array Cord, Female MTP®16 APC to Female 2MTP®8 APC -SM-Base-16-YYYY-XXX-Type B, Low-Loss	

- Y Cable Jacket ratings : Z(LSZH), R(OFNR-LSZH), P(OFNP)
- XXX Cable length : 003 (3m), 005 (5m), 010 (10m)