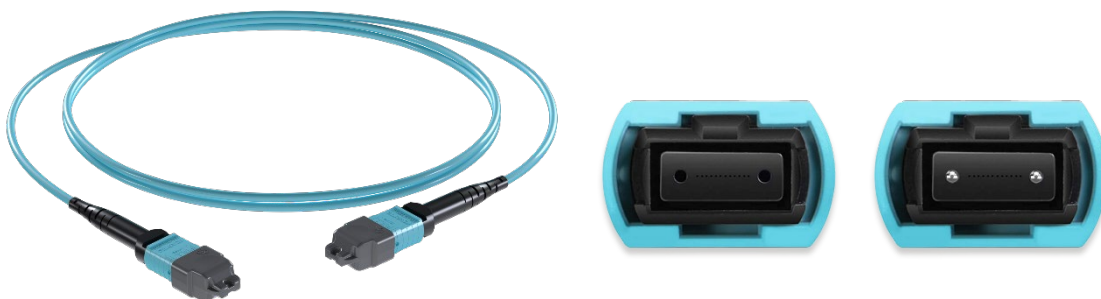


MTP®12 Patch Cords

MTP®12 to MTP®12, 12 Fibers, 3.0mm



Description

The MTP®/MPO Cable Assemblies are pre-terminated 8, 12, 16 and 24-fiber cable assemblies that are used in high-density network applications. These interconnect cable assemblies are used with pre-terminated cassettes in main and horizontal cabling distribution areas or to directly connect devices via MPO connectivity to support 40G-400G parallel optic applications.

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-1435
- IEC 61754-7 / TIA 604-5

Applications

- Telecommunication network
- Data communication network
- Enterprise network
- Intrabuilding backbone
- Artificial intelligence (AI)
- Cloud computing
- Broadcasting
- Medical imaging
- High performance computing (HPC)

MTP®12 Patch Cords

MTP®12 to MTP®12, 12 Fibers, 3.0mm

Construction

Parameter			Value
Cable Construction	Number of fibers		12 Fibers
	Fiber type	OS2	Eg/125 low bend
		OM3	G50/125-OM3 low bend (IEC 60793-2-10 A1a.2)
		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
		OM3	Aqua
		OM4	Heather Violet
		OM5	Lime Green
	Cable Jacket ratings		LSZH(Low Smoke Zero Halogen) OFNR-LSZH OFNP
Connector Types	End 'A' MTP® Female / MTP® Male		Multimode MTP connectors are UPC Single mode MTP connectors are APC
	End 'B' MTP® Female / MTP® Male		Multimode MTP® connectors are UPC Single mode MTP® connectors are APC

Optical properties

Parameter			Value
Connector Optical Performance	Insertion Loss IEC61300-3-4	OS2	≤ 0.50dB(Standard) ≤ 0.30dB(Low-Loss)
		OM3	≤ 0.50dB(Standard)
		OM4	≤ 0.30dB(Low-Loss)
		OM5	≤ 0.30dB(Low-Loss)
	Return Loss IEC61300-3-6	OS2	≥ 60dB(APC)
		OM3	≥ 25dB(UPC)
		OM4	≥ 25dB(UPC)
		OM5	≥ 25dB(UPC)
Cable Attenuation	Singlemode	OS2	≤ 1.0dB/km at 1310/1550nm
	Multimode	OM3	≤ 3.0dB/km at 850nm
		OM4	≤ 1.0dB/km at 1300nm
		OM5	≤ 1.0dB/km at 1300nm

MTP®12 Patch Cords

MTP®12 to MTP®12, 12 Fibers, 3.0mm

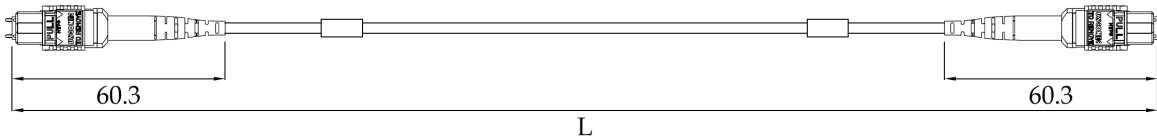
Environmental properties

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

Drawing



< Female MTP®12 to Female MTP®12, 12 Fibers, 3.0mm >



< Male MTP®12 to Female MTP®12, 12 Fibers, 3.0mm >

MTP®12 Patch Cords

MTP®12 to MTP®12, 12 Fibers, 3.0mm

Ordering information

Part number	Description of Products	Remark
MJC-MTP-FF-OM3-B12Y-B-XXX	MTP® Patch Cord, Female MTP®12 to Female MTP®12 -OM3-Base-12-YYYY-XXX-Type B, Low-Loss	Low-Loss
MJC-MTP-FF-OM4-B12Y-B-XXX	MTP® Patch Cord, Female MTP®12 to Female MTP®12 -OM4-Base-12-YYYY-XXX-Type B, Low-Loss	
MJC-MTP-FF-OM5-B12Y-B-XXX	MTP® Patch Cord, Female MTP®12 to Female MTP®12 -OM5-Base-12-YYYY-XXX-Type B, Low-Loss	
MJC-MTP-FF-SM-B12Y-B-XXX	MTP® Patch Cord, Female MTP®12 to Female MTP®12 -SM-Base-12-YYYY-XXX-Type B, Low-Loss	
MJC-MTP-MF-OM3-B12Y-B-XXX	MTP® Patch Cord, Male MTP®12 to Female MTP®12 -OM3-Base-12-YYYY-XXX-Type B, Low-Loss	Low-Loss
MJC-MTP-MF-OM4-B12Y-B-XXX	MTP® Patch Cord, Male MTP®12 to Female MTP®12 -OM4-Base-12-YYYY-XXX-Type B, Low-Loss	
MJC-MTP-MF-OM5-B12Y-B-XXX	MTP® Patch Cord, Male MTP®12 to Female MTP®12 -OM5-Base-12-YYYY-XXX-Type B, Low-Loss	
MJC-MTP-MF-SM-B12Y-B-XXX	MTP® Patch Cord, Male MTP®12 to Female MTP®12 -SM-Base-12-YYYY-XXX-Type B, Low-Loss	

Part number	Description of Products	Remark
MJC-MTP-FF-OM3-SB12Y-B-XXX	MTP® Patch Cord, Female MTP®12 to Female MTP®12 -OM3-Base-8-YYYY-XXX-Type B, Std Loss	Std Loss
MJC-MTP-FF-OM4-SB12Y-B-XXX	MTP® Patch Cord, Female MTP®128 to Female MTP®12 -OM4-Base-8-YYYY-XXX-Type B, Std Loss	
MJC-MTP-FF-OM5-SB12Y-B-XXX	MTP® Patch Cord, Female MTP®128 to Female MTP®12 -OM5-Base-8-YYYY-XXX-Type B, Std Loss	
MJC-MTP-FF-SM-SB12Y-B-XXX	MTP® Patch Cord, Female MTP®12 to Female MTP®12 -SM-Base-8-YYYY-XXX-Type B, Std Loss	
MJC-MTP-MF-OM3-SB12Y-B-XXX	MTP® Patch Cord, Male MTP®12 to Female MTP®12 -OM3-Base-8-YYYY-XXX-Type B, Std Loss	Std Loss
MJC-MTP-MF-OM4-SB12Y-B-XXX	MTP® Patch Cord, Male MTP®12 to Female MTP®12 -OM4-Base-8-YYYY-XXX-Type B, Std Loss	
MJC-MTP-MF-OM5-SB12Y-B-XXX	MTP® Patch Cord, Male MTP®12 to Female MTP®12 -OM5-Base-8-YYYY-XXX-Type B, Std Loss	
MJC-MTP-MF-SM-SB12Y-B-XXX	MTP® Patch Cord, Male MTP®12 to Female MTP®12 -SM-Base-8-YYYY-XXX-Type B, Std Loss	

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