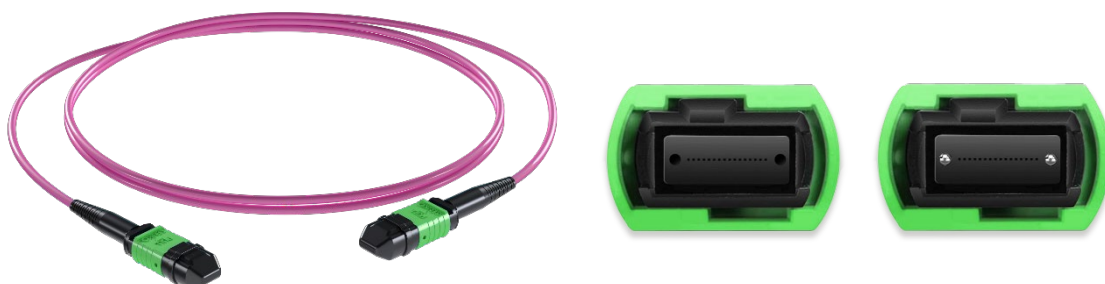


MPO16 Patch Cords

MPO16 APC to MPO16 APC, 16 Fibers, 3.0mm



Description

The MTP®/MPO Cable Assemblies are pre-terminated 16-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 400G-SR8, 800G-SR8 as well as 800GBASE-DR8 parallel optic applications.

Features

- Choosing between male and female connectors.
- Available in assignment variants polarity 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 MPO configurator
- MPO Plus® is a registered trademark SENKO Advanced Components Ltd., JAPAN
- Meets and exceeds Telcordia GR-1435
- IEC 61754-7-3 / TIA 604-18(FOCIS 18)

Applications

- Telecommunication network
- Data communication network
- Enterprise network
- Intrabuilding backbone
- Artificial intelligence (AI)
- Cloud computing
- Broadcasting
- Medical imaging
- High performance computing (HPC)
- 400G QSFP-DD SR8
- 800G QSFP-DD DR8

MPO16 Patch Cords

MPO16 APC to MPO16 APC, 16 Fibers, 3.0mm

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' MPO16 Female / Male		Multimode MPO connectors are APC Single mode MPO connectors are APC
	End 'B' MPO16 Female / Male		Multimode MPO connectors are APC Single mode MPO connectors are APC

Optical properties

Parameter			Value
MPO Connector Optical Performance	Insertion Loss IEC61300-3-4	Single mode	$\leq 0.30\text{dB(Low-Loss)}$
		Multimode	$\leq 0.30\text{dB(Low-Loss)}$
	Return Loss IEC61300-3-6	Single mode	$\geq 60\text{dB(APC)}$
		Multimode	$\geq 25\text{dB(UPC)}$
Cable Attenuation	Singlemode	OS2	$\leq 1.0\text{dB/km at }1310/1550\text{nm}$
	Multimode	OM4	$\leq 3.0\text{dB/km at }850\text{nm}$
		OM5	$\leq 1.0\text{dB/km at }1300\text{nm}$

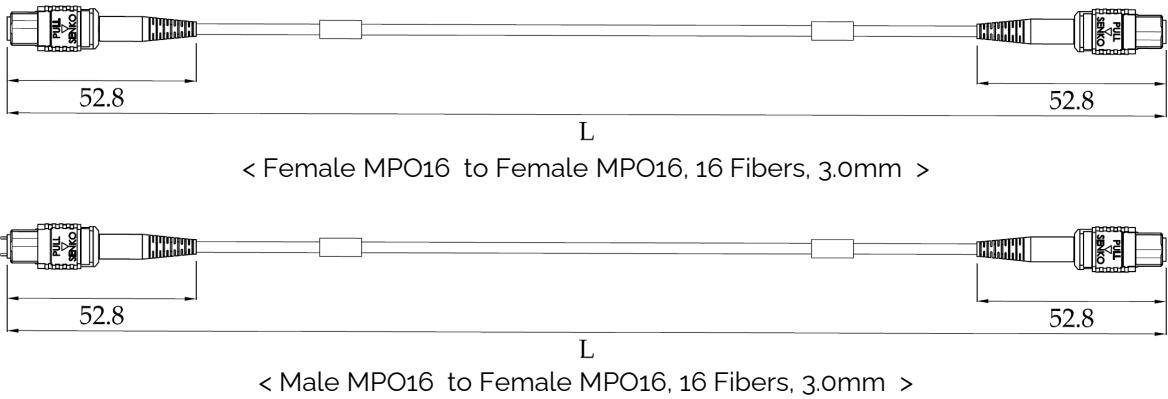
Environmental properties

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

MPO16 Patch Cords

MPO16 APC to MPO16 APC, 16 Fibers, 3.0mm

Drawing



Ordering information

Part number	Description of Products	Remark
MJC-MPO-FF-OM4-B16Y-B-XXX	MPO Patch Cord, Female MPO16 to Female MPO16 -OM4-Base-16-YYYY-XXX-Type B, Low-Loss	Low-Loss
MJC-MPO-FF-OM5-B16Y-B-XXX	MPO Patch Cord, Female MPO16 to Female MPO16 -OM5-Base-16-YYYY-XXX-Type B, Low-Loss	
MJC-MPO-FF-SM-B16Y-B-XXX	MPO Patch Cord, Female MPO16 to Female MPO16 -SM-Base-16-YYYY-XXX-Type B, Low-Loss	
MJC-MPO-MF-OM4-B16Y-B-XXX	MPO Patch Cord, Male MPO16 to Female MPO16 -OM4-Base-16-YYYY-XXX-Type B, Low-Loss	Low-Loss
MJC-MPO-MF-OM5-B16Y-B-XXX	MPO Patch Cord, Male MPO16 to Female MPO16 -OM5-Base-16-YYYY-XXX-Type B, Low-Loss	
MJC-MPO-MF-SM-B16Y-B-XXX	MPO Patch Cord, Male MPO16 to Female MPO16 -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)