VERICOM®

MTP / MPO Patch Cord

Description

The 12F/24F MTP/MPO patch cord is used to interconnect fiber distribution frames or modules to servers and switches that use SR4 or SR10 parallel optical ports. It facilitates rapid deployment or installation of the high-density backbone cabling solution in data centers and other high-density fiber applications.

12-core MTP/MPO is compatible with 40G 8-fiber transceiver, but only 8 of the 12 fibers are utilized, as SR4 only requires 8 fibers.

In this way, 8-core option will save 33% fiber.

The 8-Core MTP/MPO patch cords are used to connect optical fiber patch panels with servers and switches which will use SR4 parallel interfaces, and also can be used to connector two independent patch panels and modules.

Features & Benefits

- SM, OM3, OM4, OM5 fiber types available
- 12 and 24 fibers available
- Different polarities available
- Bend optimized fibers
- Low loss
- Colored sheath for easy identification
- Small diameter for easy routing (3mm)
- Suitable for 8 fiber SR4 deployments (12 fibers)

Compliance & Standards

- ISO/IEC 24764
- ISO/IEC 11801-5
- ANSI/TIA-942-A/B
- EN 50173-5

Drawing

MPO Connector with Push-pull tab,
Switchable Polarity and Changeable Gender

Standard MPO Connector

Applications

- Data Center
- Telecommunication Infrastructure

REV.20200901.1

VERICOM®

RoHS compliant

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Product Specifications

Cable Diameter	8 Fibers	3.0mm
	12 Fibers	3.6mm
	24 Fibers	3.6mm
Sheath Color	Single Mode	Yellow
	OM3	Aqua
	OM4	Violet
	OM5	Lemon Green
Sheath Material	LSZH, OFNP(PVC)	
Tensile	50N	
Operating Temperature (℃)	-10~60	
Durability	≥100 times	
Density	MPO Insertion Loss (dB)	Return Loss (dB)
Single Mode APC	Std＜0.7, ULL＜0.35	＞50 (Length: ＞3m)
OM3	Std＜0.35, ULL＜0.25	＞20 (Length: ＞3m)
OM4	Std＜0.35, ULL＜0.25	＞20 (Length: ＞3m)
OM5	Std＜0.35, ULL＜0.25	＞20 (Length: ＞3m)

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Ordering Information

Part No.	Description	
VR-T XA/C/E+B/D/F-G-H-I-J-K-L	MTP/MPO Patch Cord	
X	Connector	None=Standard, A=MPO with Push-pull tab, Switchable Polarity and Changeable Gender
A, B	Connector	MPO8, MPO12, MPO24, MTP8, MTP12, MTP24
C, D	Connector Type	PC, APC
E, F	Connector Gender	M=Male, F=Female
G	Fiber Type	SM, OM3, OM4, OM5
H	Polarity	A, B, C
I	Fiber Core	8, 12, 24
J	Length	XX=Xm (01=1m)
K	Sheath	None=LSZH, P=OFNP
L	Insertion Loss	None=Standard, U=ULL

Example: VR-TMPO8/PC/F+MPO8/PC/F-OM3-B-8-03

Product Name: MPO Patch Cord, MPO 8 Female to MPO 8 Female, 8 Cores, OM3, LSZH, 3 Meters