MTP/MPO Pre-terminated Optic Fiber Patch Cord

Product Introduction

MTP/MPO pre-terminated optic fiber patch cord, serve a permanent link connecting the MTP/MPO modules to each other. Are available 12-144 counts. MTP/MPO patch cords will not be used until 40G and 100G active devices are employed(with MTP/MPO interface). The ends of MTP patch cords are terminated with the customer's choice of 12-fiber or 24-fiber MTP connectors. These high count MTP/MPO assemblies are ideal for backbone and data center applications that require a high fiber count in a limited space.

Features
- Provide 12 or24 core fiber connection.
- Can easily upgrade to 100G/400G network system.
- The various fiber type are available including OM1, OM2, OM3, OM4, G652D, G657A1 and G657A2
- Cable jacket material of OFNR, OFNP or LSZH are available
- Compliant with RoHS6.

Applications
- 40GBASE-SR4 Ethernet Application.
- 100G BASE-SR10(CXP 10*10G) Ethernet Application.
- 100G BASE-SR4 (QSFP28 4*25G) Ethernet Application.
- High density architectures.
- Storage area networking fiber channel.
- Other parallel optics base on SM.

Standards
- TIA/EIA-568-C.3
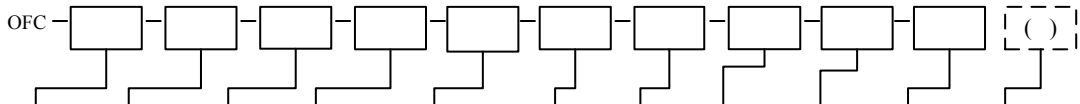- IEC 61754-7
- GR-1435-CORE

Specifications

- Connector's Optical Specification

Connector type	Insertion Loss(Average)	Insertion Loss(Max)	Return Loss	Unit
MPO(MM)	0.10	0.30	＞25	dB
MPO(SM)	0.15	0.35	＞50	dB

- Mechanical Property

Cable core	12	24
Maximum installation tension(N）	300	
Cabling static minimum bending radius（mm）	10 times of OD of optical cable	
Cable dynamic minimum bending radius（mm）	20 times of OD of optical cable	
Operation temperature	-40℃~80℃	

Ordering information

MT Series	MT Fiber Cores	MT Endface	MT Type	Fiber Type	Connector Type	Endface	Fan-out Length	Fiber/ Cable	Length	Polarity
MPO MTP	4:4Cores 8:8Cores 12:12Cores 24:24Cores	PC APC	M:Male F:Female	S:G652 A2:G657A2 M:50/125 D:62.5/125 OM3 OM4	MT Jumper: M:Male F:Female 0:Pigtail	PC APC	0:No Fan-out	30:3.0mmCable Series 45:4.5mmCable Series	2:2m	A:Straight Through B:Complete Cross C:Absolute Cross