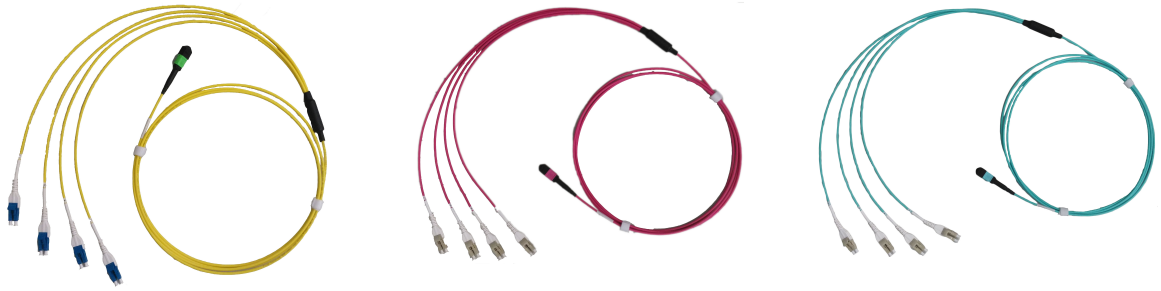# MTP/MPO-LC Pre-terminated Optic Fiber Patch Cord

Product Introduction

MTP/MPO pre-terminated optic fiber patch cord, also called MTP/MPO breakout patch cord or MTP/MPO fanout patch cord, are available in 8-144 counts. The MTP/MPO pre-terminated optic fiber patch cord work from trunk backbone assemblies to fiber rack system in the high density backbone cabling. As terminated with MTP/MPO connectors on one end and standard LC/FC/SC/ST/MTRJ connectors(generally MTP/MPO to LC)on the other end. These cable assemblies can meet a variety of fiber cabling requirements.

Features

- Providing 12 or 24 core fiber connection.
- 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

- QSFP to SFP Application: QSFP+SR4 40G and 10Gb interface standard.
- CXP to SFP Application: CXP+SR10 100G and 10Gb interface standard.
- QSFP28 to SFP28 Application: 100G(QSF28) and 25G (SFP28) interface standard.

Standards

- TIA/EIA-568-C.3
- IEC 61754-7
- IEC 61754-20
- GR-1435-CORE
- GR-326-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
LC(MM)	0.08	0.15	＞36	dB
MPO(SM)	0.15	0.35	＞50	dB
LC(SM)	0.10	0.20	＞50	dB

- Mechanical Property

Cable core	12	24
Fan-out length（cm）	30~150	
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	Fan-out Type: FC SC LC 0:Pigtail	PC APC	0.5:0.5m Fan-out 0:No Fan-out	30:3.0mmCable Series 45:4.5mmCable Series	2:2m	A:Straight Through B:Complete Cross C:Absolute Cross