

MPO/MTP patchcords

High Density Fiber Cables

Features

- ◆ Available in both MPO and MTP (US Conec) format
- ◆ High performance Insertion Loss and Return Loss
- ◆ Pre-terminated and 100% tested
- ◆ Pulling eye design, making it easy for installation
- ◆ Available in 4/8/12/16/24 or custom number of strands
- ◆ Suitable for MTP/MPO applications
- ◆ Available in SM, OM1, OM2, OM3 and OM4 fiber



Applications

- ◆ 40G/100G Optical Modules Connectivity
- ◆ Data center cabling
- ◆ Telecommunications
- ◆ Industrial & Military applications

Product description

ROBOfiber MPO and MTP Patchcords are designed to handle high density multi-fiber applications. Today datacenters and telecommunication networks need high speed fiber connectivity that often requires multiple fiber optic circuits. The MPO standard is one way to get together up to 24 strands of fiber in a small single push/pull connector. Our MPO/MTP fiber assemblies are 100% factory tested and all the MPO and MTP connectors are Telcordia GR-1435-Core compliant. MTP is US Conec own enhanced connector which is fully MPO compatible.

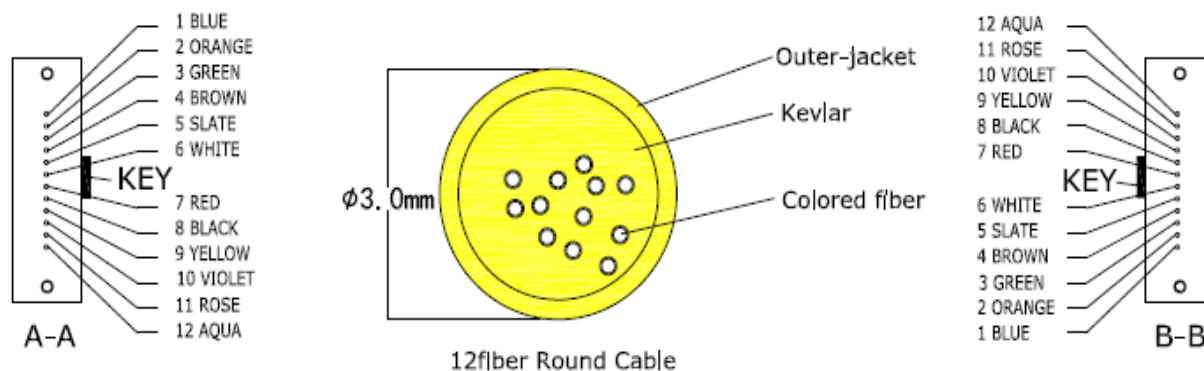
Optical characteristics

Parameters			Unit	Specifications			
				SM		MM	
				Standard	Elite/Low Loss	Standard	Elite/Low Loss
Insertion Loss		Typical	dB	0.35	0.20	0.35	0.20
		Max	dB	0.75	0.35	0.70	0.35
Return Loss	APC	Min	dB	60		30	
	PC	Min	dB	50		25	
Test Wavelength			nm	1310/1550		850/1310	
Operating Temperature			℃	-5~ 60			
Storage Temperature			℃	-20~ 85			

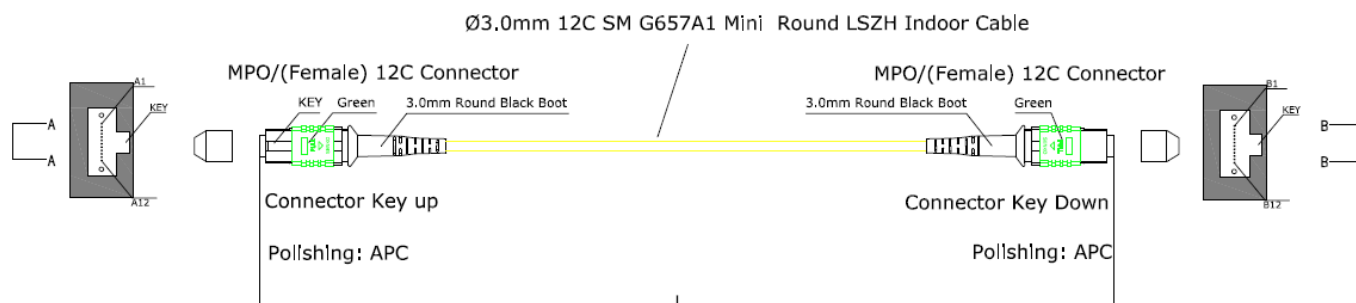
Note:

- 1.IL&RL test at room temperature.
- 2.IL&RL test at 1310nm and 1550nm for singlemode,850nm and 1310nm for multimode
- 3.This spec for cable length less than 3 meters.

Cable Structure Diagram



Cable assembly schematics



Part Number Ordering Guide

RBZZZ-FX-YYY-GXY-CX-XXM-PX

RBZZZ	ZZZ = connector type (MPO = MPO Low Loss insertion, MTP = MTP Elite only)
FX	X = number of fiber strands in the cable (8, 12, 16, 24, 32)
YYY	YYY = fiber type (OM3 or OM4 for multi-mode fiber and 652 or 657 for single-mode fiber)
GXY	XY = connector gender (MM male to male, FF female to female, MF male to female)
CX	CX = cable jacket style: C1 for round jacket cable LSZH(3.0mm up to 4.5mm depending on strand number) or C2 for flat ribbon style cable LSZH (OFNR and OFNP jackets available on request)
XXM	XX = length of cable assembly in meters, up to 100m
PX	X = cable polarity according to EIA specs (polarity A pin to pin, polarity B pin to pin reversed or polarity C reversed pairs)

Example:

RBMP0-F8-OM4-GFF-C1-10M-PB – MPO female to MPO female low loss 8 strand OM4 multi-mode patch cord, round 3.0mm LSZH jacket, 10m length, polarity B

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