

MTP Patchcord

Description:

The MTP patchcord provides quick connection specifically for multifiber cable, up to 24 fibers. The MTP connectors are designed for termination of ribbon fiber or loose individual fibers. Connection integrity is provided by the spring action side latch housing and alignment is achieved with high precision guide pins. The housing are colored-coded to differentiate single mode and multimode. Removable housing allow for quick change of pin clamps, ferrule cleaning or connector repolishing. Available MTP trunk cables or fan-out from MTP to single fibers connectors: LC, SC, etc.



Features:



- Multifiber cables termination
- Parallel optics transmission systems
- Single mode and Multimode applications
- Available angled and flat ferrule style
- Up to 24 fibers termination
- Push-on / Pull-off latching connector
- Easy connection and disconnection
- Trunk cable or fan-out to single fiber connectors
- Fiber protrusion
- Low Insertion loss & Reflection
- Simple & Low cost
- IEC61754-7, TIA/EIA 604-5

Specifications:

		Single mode (angled 8°)	Multimode (flat)
Insertion Loss (dB)	Standard	0.25 typ, 0.75 max	0.20 typ, 0.60 max
	Premium	0.10 typ, 0.35 max	0.10 typ, 0.35 max
Optical Return Loss (dB)		> 60	> 20
Operating Temperature ¹ (°C)		-10 to +60	
Durability		< 0.3 dB change (per EIA-455-21A) 500 remates	< 0.2 dB change (per EIA-455-21A) 1000 remates

Note:

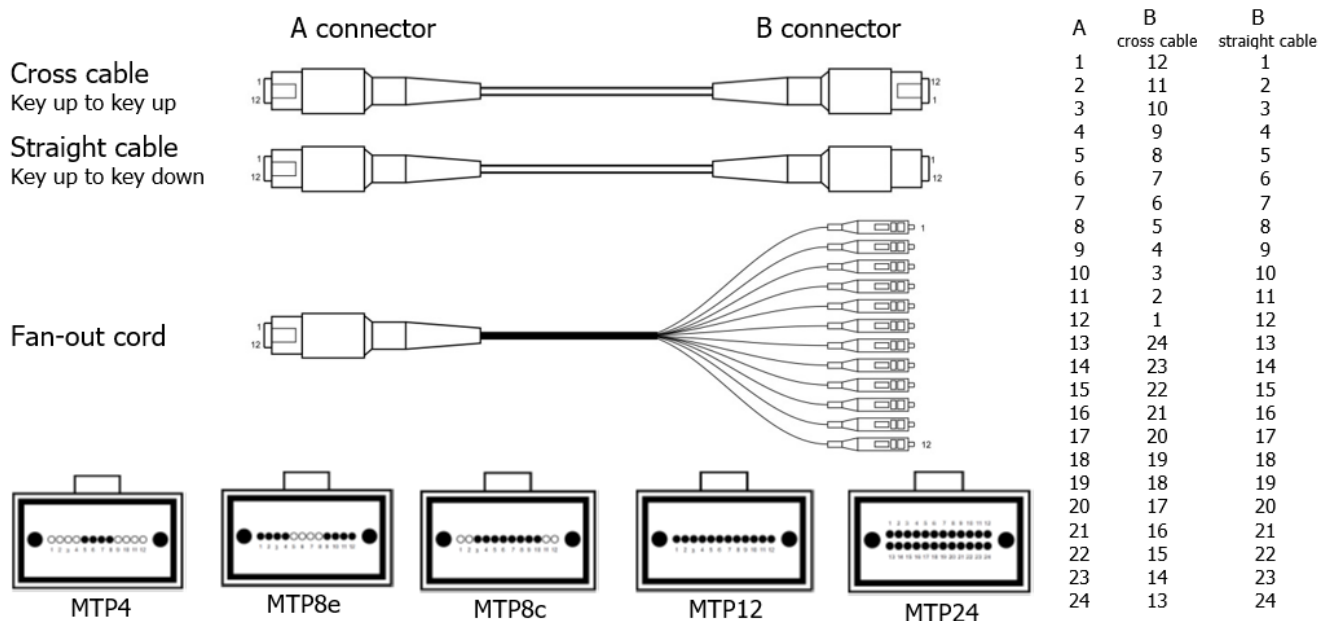
1) relative to controlled environment uncontrolled environment -40 to +80 °C on request

Connector colors:

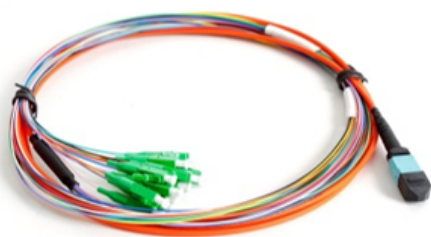
SM Standard	green housing
SM Premium	mustard (yellow) housing
MM OM1/OM2	beige housing
MM OM3/OM4	aqua housing
MM Premium	aqua housing



Fibers interconnection:



Application:



- Patchcords: Bare fiber ribbon type, ruggedized cable type or loose individual fibers cable
- Fan-out cord with single fiber connectors
- Parallel Optics transmission:
- 40G and 100G IEEE 802.3
- Optical Internetworking Forum (OIF) Compliant
- QSFP, CXP, CFP, PSM4 standards

Ordering Code:

AAA

- XX/(XX)⁶ XXX

- XX

- (XX)² - (L2)³ - L

(XX) - jacket color; L, L2 - length [m]

AAA Connector Type Connector Description

NMTP XYZ Angled

MTP XYZ Flat

X - number of fibers (4, 8, 12, 16, 24)

Y - Male (M) or Female (F)

Z - Premium (P)

or Standard (without mark)

Note:

2) define jacket color, if requested

3) L2 - fan-out length if defined

4) X - according fiber subtypes (e.g. G.657A1)

5) type: CT-12-S7A1-LSZH-YE for example

6) Fan-out fiber or cable type

XX - cable connection

JC cable crossed

JS cable straight

PT pigtail

XX - type of fiber, cable

RF ribbon fiber

RC ribbon cable

CT Central tube cable⁵

(XX) Fan-out type

09 Fiber 0.9 mm

16, 20, 24, 28 Cable 1.6-2.8 mm

XXX - type of fiber

OM1 MM 62.5/125 μm

OM2-OM4 MM 50/125 μm

S2D SM 9/125 μm (G.652D)

S5X⁴ SM 9/125 μm (G.655X)

S7X⁴ SM 9/125 μm (G.657X)

Fan-out fiber color (13-24: black strip)

1/13	2/14	3/15	4/16	5/17	6/18	7/19	8/20	9/21	10/22	11/23	12/24
Blue	Orange	Green	Brown	Gray	White	Red	Black/ Transparent	Yellow	Purple	Pink	Aqua

Cable jacket color code:

YE - yellow: SM

OG - orange: OM1, OM2

AQ - aqua: OM3

VI - violet: OM4