MPO/MTP Fan-out Patchcord

Product Description

Oplink's MPO/MTP multi-fiber cabling system is ideally suited for a high density environment that demands space saving and innovative cable management solutions. MPO/MTP fan-out supports various connections from multi-fiber to single-fiber out. We also offer various other MPO/MTP products such as MPO/MTP cassettes, modules and enclosures. These cassettes provide secure transition between MPO/MTP and LC or SC connections.

Features

◈ Improves and simplifies fiber routing

◈ Decreases fiber management space

◈ OEM or customized for special applications

◈ Low insertion loss and reflectance

◈ High Density

◈ Snap-In cassette panel for easy installation, removal and expansion

Applications

◈ Optical System Access Network

◈ Telecommunications networks

◈ Broadband/CATV networks

◈ Data communications networks, including high-bandwidth equipment

Product Specifications

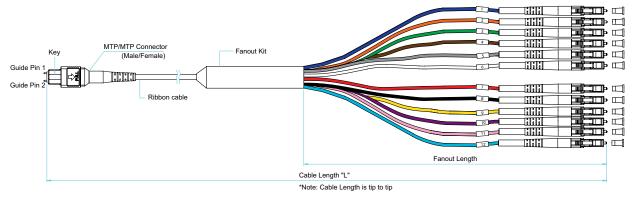| Parameters		Min.	Typical	Max.	Unit.
Operating Wavelength	Single Mode	1310		1620	nm
	Multi-mode	850		1310	
MPO Insertion Loss	Single Mode			0.6	dB
	Single Mode Low Loss		0.3	0.35	
	Multi-mode			0.75	
Single Fiber Insertion Loss (Fan-out side)	Single Mode			0.2	dB
	Single Mode Low Loss			0.3	
	Multi-mode			0.3	
Return Loss	Single Mode	50			dB
	Single Mode Low Loss	60			
	Multi-mode	30			
Operating Temperature		- 20		+ 70	°C
Fiber Type		SM ITU-T G652 and IEC 60793-2-50 B1.3 SM ITU-T G657A2/B2 and IEC 60793-2-50 B1.6A OM3 ISO/IEC 11801 and IEC 60793-2-10 Ala.2			
Cable Jacket Type	Ribbon / Fan-out	LSZH			
Cable Jacket Color	Yellow	G652 and G657 Single mode fiber			
	Orange	OM2 Multi-mode fiber			
	Aqua	OM3 fiber			
Flammability Rating		IEC-60332-1, IEC-61034, IEC-60754-1 and 2			

Note: [1] IL is tested in room temperature. [2] Total IL is MPO IL + all Fan-out side IL. [3] Tested at 1310nm and 1550nm for single-mode jumper, 850nm and 1310nm for multi-mode jumper.

OPLINK
your DESIGN & OMS partner

Mechanical Drawing

Key
Guide Pin 1
Guide Pin 2
MTP/MTP Connector (Male/Female)
Ribbon cable
Fanout Kit
Fanout Length
Cable Length "L"
*Note: Cable Length is tip to tip

Bare Fiber Color

No.	8 Ribbon Fiber	No.	12 Ribbon Fiber	No.	24 Ribbon Fiber
1	Blue	1	Blue	1/13	Blue
2	Orange	2	Orange	2/14	Orange
3	Green	3	Green	3/15	Green
4	Brown	4	Brown	4/16	Brown
5	Gray	5	Gray	5/17	Gray
6	White	6	White	6/18	White
7	Red	7	Red	7/19	Red
8	Black	8	Black	8/20	Black
		9	Yellow	9/21	Yellow
		10	Violet	10/22	Violet
		11	Pink	11/23	Pink
		12	Aqua	12/24	Aqua

Cable Jacket Color: SMF: Yellow, MMF OM1/OM2: Orange, MMF OM3/OM4: Aqua

Ordering Information

MPOF ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

MPO Fiber Count
1 = 8 fiber
2 = 12 fiber
3 = 24 fiber

Cable Type
B = Bare fiber
F = Flat cable
R = Round cable

Fiber Type
1 = Single mode
2 = MMF 50/125
3 = MMF 62.5/125
4 = OM3 50/125
5 = OM4 50/125

Cable Length
01 = 1 m
05 = 5 m
.
10 = 10 m
20 = 20 m
.
.
.
99 = 99 m

Fan-out Length
01 = 1 inch
02 = 2 inch
.
10 = 10 inch
.
.
.
99 = 99 inch

Note: Fiber length is tip to tip

Fan-out Jacket
1 = 900μm
2 = 2.0mm
3 = 250μm

MPO Connector
0 = None
M = Male
F = Female

Connector A (MPO Side)
0 = None
1 = MPO/MTP
2 = MPO/MTP (Low Loss)

Fan-out Connector
1 = None
2 = FC/PC
4 = FC/APC
5 = SC/PC
7 = SC/APC
8 = ST
9 = LC/PC
A = MU/PC
B = LC/APC

S0229 - R02. 20110721