

MTP/ MPO Trunk Micro Cable Assemblies

Features



- Fiber-count 8 to 144 fibers
- Bend-insensitive/bend optimized fiber
- Factory pre-terminated and tested to ensure the transmission performance
- High-density wiring and data center use reduce wiring space and time
- Compact 3 mm branch for easy routing with racks and panels

MPO cable is designed for high-density application which offers excellent benefits of installation time and space saving. The cable assemblies are used in data center, telecom and backbone application for 40-100G connectivity.

MPO/MTP trunks offer a high degree of flexibility, scalability and with a secondary jacket to give a higher degree of protection within cable path ways.

Parameter

Mechanical Data	Unit	8/12	24	48	72	96	144
Design	mm	1 x 12	2 x 12	4 x 12	6 x 12	8 x 12	12 x 12
Sub-unit	mm	-	3.0mm ±0.1	3.0mm ±0.1	3.0mm ±0.1	3.0mm ±0.1	3.0mm ±0.1
Sub-unit Sheath Thickness	mm	-	0.5	0.5	0.5	0.5	0.5
Outer Sheath Thickness	mm	0.8	0.8	1.4	1.4	1.4	1.4
Cable Outer Diameter	mm	3.0 ±0.2	9.0±0.5	9.0±0.5	11.2±0.5	13.5±0.5	17.5±0.5
Max Installation Tension	N	600					
Max. Operation Tension	N	200					
Min. Bending Radius Dynamic		15D					
Min. Bending Radius Static		30D					
Cable Color		Yellow, Orange, Aqua, Violet and OME colors					

Optical Data		Value
Fiber Mode		OS1/OS2/G657-9/125 bend insensitive (A.1 or A.2) or OM1/2/3/4/5
Test Wavelength		1310nm/1550nm (Singlemode), 850nm/1300nm (Multimode)
Insertion Loss	Low Loss	Single mode ≤ 0.35 dB, Multimode ≤ 0.35 dB
	Standard Loss	Single mode ≤ 0.50 dB, Multimode ≤ 0.50 dB
Module Return Loss		Singlemode UPC ≥ 55 dB APC ≥ 65 dB Multimode UPC ≥ 25 dB

Environmental Data

Description	Value
Operating Temperature	-20°C to +70°C
Store Temperature	-20°C to +70°C
Fully Compliant	IEC-61754, TIA/EIA-604, GR326, RoHS

Ordering Information

-	X/X	X	X	X	X	X	X	XXX
Type	A Side/B Side	Fiber Mode	Insertion Loss	Count	Polarity	Jacket	Pulling Eye	Length
TMCA	1=MPO/UPC/Male	1=OS1	1=Low loss	1=08	1=A	1=LSZH	1=No	001=001m
	2=MPO/UPC/Female	2=OS2	2=Standard loss	2=12	2=B	2=PVC	2=One end	...
	3=MTP/UPC/Male	3=OM1		3=24	3=C	3=OFNR	3=Two end	999=999m
	4=MTP/UPC/Female	4=OM2		4=48	4=other	4=OFNP		
	5=MPO/APC/Male	5=OM3		5=72				
	6=MPO/APC/Female	6=OM4		6=96				
	7=MTP/APC/Male	7=OM5		7=144				
	8=MTP/APC/Female			8=other				

Note: APC only for single mode.

Example:

TMCA 1214122025 Means : Trunk Micro Cable Assemblies, MPO/UPC /Male-MPO/UPC/ Male, OS2, Low Loss, 48F, Polarity A, PVC, One end pulling eye, 25M Length.