

RIBBON TRUNK CABLE-BLUNT END TYPES

Norden MTP/MPO blunt end type ribbon cable provide an efficient way to install a large number of cables quickly. It also provides high flexibility on unplugging and re-use. Non metallic FRP strength member in the cable give it good tensile strength, Water blocking jelly in the tube and tape over the tube give it excellent water and moisture resistance, Polyester yarns used to bind the cable core.

It is especially suitable for the areas that require rapid deployment of high-density backbone cabling in data centers, and high fibre environments for high performance. MTP/MPO Trunk Cables are factory pre-terminated and available with OM3, OM4, OM5 & SM assemblies

STANDARDS

ANSI/TIA/EIA 568.3-D, Telecordia GR-326-CORE Standards

TIA 605-4 (FOCIS 5)

IEC61754-7

FEATURES

- Easy to deploy - Factory-terminated systems can save installation and network reconfiguration time.
- Reliability - use high-standard components to ensure product quality.
- Factory terminated and tested
- Allow easy migration from 10GbE to 40GbE or 100GbE
- Ideal for 400G High-Speed Network connection



MECHANICAL & ENVIRONMENTAL CHARACTERISTICS

Fibre Mode		Single-mode: OS2 9/125µm Multimode: OM3/OM4/OM5 50/125µm
Connector		MTP/MPO Standard & MTP/MPO PRO
Connector Type	Connector A	MTP/MPO
	Connector B	Un-Terminated
Polarity		Type A, Type B, Type C & Universal
Strength Member		FRP
Length		Standard & Custom Lengths
Cable Jacket		PVC, LSZH, OFNP & OFNR
Operating Temperature		-20°C ~ 70°C
Storage Temperature		-20°C ~ 70°C
Installation Temperature		0°C ~ 50°C

TRUNK CABLE PHYSICAL SPECIFICATIONS – 12F (Flat Type)

Fiber Count	Cable Size (mm)	Max Tensile (N)	MAX Crush (N/100mm)	Minimum Bend Radius (mm)	
				Installation	Long Term
12	2.5±0.3(H)x4.6±0.3(W)	240	500	20D	10D

TRUNK CABLE PHYSICAL SPECIFICATIONS – 144F (Round Type)

Fiber Count	Cable Diameter (mm)	Max Tensile (N)	MAX Crush (N/100mm)	Minimum Bend Radius (mm)	
				Installation	Long Term
144	15.8	2700	1000	25D	15D

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Performance Specifications	Multi Mode System (OM3)		Multi Mode System (OM4)		Multi Mode System (OM5)		Single Mode System (OS2)	
	850 nm	1300 nm	850 nm	1300 nm	850 nm	1300 nm	850 nm	1300 nm
Maximum Attenuation (dB/km)	3.5	1.5	3.5	1.5	3.5	1.5	3.5	1.5

MTP / MPO TERMINATION

Type	Single-mode (APC polish)		Single-mode (PC polish)		Multi-mode (PC polish)	
Fibre Type	G652D, G657A1, G657A2		G652D, G657A1, G657A2		62.5/125, OM2, OM3, OM4, OM5	
Maximum Insertion Loss	Elite / Low Loss	Standard	Elite / Low Loss	Standard	Elite / Low Loss	Standard
	≤0.35 dB 0.25 dB Typical	≤0.70 dB 0.5 dB Typical	≤0.35 dB 0.25 dB Typical	≤0.70 dB 0.5 dB Typical	≤0.35 dB 0.2 dB Typical	≤0.7 dB 0.35 dB Typical
Return Loss	≥60 dB		≥50 dB		≥30 dB	
Durability	≥200 times		≥200 times		≥200 times	
Test Wavelength	1310 nm / 1550 nm		1310 nm / 1550 nm		850 nm / 1300 nm	

ORDERING GUIDE

Ribbon Trunk Cables	Cable Type	Cable End Type	Number of Fibre Per MTP/MPO Connector	MTP/MPO Connectors	Polarity	Jacket Materials	Fiber Type	Polish	Length (XXX)	Colour(X)
40R	T: MTP Std S: MTP Elite R: MTP ULL K: MTP PRO P: MPO Std N: MPO ULL L: MPO Elite	4: Pinned (M)-Blunt End 5: Unpinned (F) -Blunt End	012:12F 144:144F	1: 01 2: 02 3: 03 4: 04 5: 06 6: 08 7: 12 8: 16	A: Type A B: Type B C: Type C U: Universal	P: PVC L: LSZH E: Eca LSZH C: Cca LSZH Q: OFNR J: OFNP	OM3:OM3 OM4:OM4 OM5:OM5 OS2:OS2 7A1:7A1 7A2:7A2	P: PC U: UPC A: APC	XXX	AQ: Aqua TQ: Turquoise TE: Teal LG: Lime Green YL: Yellow MG: Magenta

For Example:

MTP/MPO Trunk Cable 12F (Flat):

40R R 4 012 1 B L 7A2 A 010 X

Description: MTP 12F Male- Un-connectorized end Flat Ribbon G657.A2, Type B, APC Trunk cable LSZH 10 Mtr

Description for Ultra Low Loss: MTP 12F Male- Un-connectorized end Flat Ribbon G657.A2, Type B, APC Ultra Low Loss Trunk cable LSZH 10 Mtr

MTP/MPO Trunk Cable 144F:

40R R 4 144 7 B L 7A2 A 015 X

Description: MTP 12Fx 12 Male- Un-connectorized end Ribbon G657.A2 Type B Multicore APC Trunk cable LSZH 15 Mtr

Description for Ultra Low Loss: MTP 12Fx 12 Male- Un-connectorized end Ribbon G657.A2 Type B Multicore APC Ultra Low loss Trunk cable LSZH 15 Mtr