



MTP®/MPO Single Jacket MicroCable Trunk Assemblies

MTP®/MPO single jacket micro cable trunk assemblies designed and manufactured with low loss performance high demand network applications. They are available up to 24 fibres with standard or low loss Elite MTP®/MPO terminated on a 3mm single jacket micro cable. These trunks are typically used in the main distribution area or the interconnection of active equipment with backbone cabling infrastructure. Their small and compact size makes them an ideal solution for high density applications with high demands for advanced cable management and optimised airflow.

Features

- High Precision MTP®/MPO connector
- Single jacket structure (cable outer diameter 3.0mm)
- Low loss performance
- Up to 24 fibres
- Available in OS1/2 G652D, G.657A1, G.657A2, OM3, OM4, OM5 Fibre Grades - OM1 and OM2 available upon request
- Option for LSZH, OFNP or OFNR cable Jacket
- Option for A, B or C polarity
- 100% Factory terminated and tested
- Saves installation and reconfiguration time

Applications

- Data Centers
- Parallel optics applications
- 40 and 100G applications
- InfiniBand
- Storage Area Network - Fibre Channel

Specifications

ELEMENT	CHARACTERISTIC
Fibre	OS1/OS2, G.652D, G657A1, G.657A2, OM1, OM2, OM3, OM4, OM5
Cable Type	Single Jacket (cable outer diameter 3.0mm)
Fibre Count	8/12/16/24
MTP Terminations	MTP® 12 Fibre ~ Ferrule US Conec Boot Colour: Black Body Sleeve Colour: MM (Beige), MM Elite (Aqua), OM5 (Lime Green), SM (Green), SM Elite (Yellow)
Cable Diameter	3.0+-0.15
Crush Resistance	Short term: 500N/100mm Long term: 150N/100mm
Cable Tensile Strength	Short term: 150N Long term: 80N
Cable Strength Member	Aramid yarn
Temperature Range	-20 ~ +70°C

Connector Performance

CONNECTOR MATING	IL AVERAGE	IL MAX	RETURN LOSS
MTP® Elite (MM)	0.10dB	0.35dB	N/A
MTP® (MM)	0.20dB	0.60dB	N/A
MTP® Elite (SM)	0.10dB	0.35dB	>60dB
MTP® (SM)	0.25dB	0.75dB	>60dB

Cable Performance

Fibre Type (ISO/IEC 11801)	OS1/OS2	OM3	OM4	OM5
Attenuation Coefficient (dB/km)	≤ 0.50 Max (1310nm) ≤ 0.40 Max (1550nm) ≤ 0.36 Typ (1310nm) ≤ 0.22 Typ (1550nm)	≤ 3.5 Max (850nm) ≤ 1.5 Max (1300nm) ≤ 3.0 Typ (850nm) ≤ 1.0 Typ (1300nm)	≤ 3.5 Max (850nm) ≤ 1.5 Max (1300nm) ≤ 3.0 Typ (850nm) ≤ 1.0 Typ (1300nm)	≤ 3.5 Max (850nm) ≤ 1.5 Max (1300nm) ≤ 3.0 Typ (850nm) ≤ 1.0 Typ (1300nm)
Minimum Bandwidth: Overfilled Launch (Mhz- km)	N/A	≥ 1500 (850nm) ≥ 500 (1300nm)	≥ 3500 (850nm) ≥ 500 (1300nm)	≥ 3500 (850nm) ≥ 1850 (953nm) ≥ 500 (1300nm)
Minimum Bandwidth: Laser Effective Modal Bandwidth (Mhz-km)	N/A	≥ 2000 (850nm)	≥ 4700 (850nm)	≥ 4700 (850nm) ≥ 2470 (953nm)

Standards Compliance

- TIA/EIA-568-C.3 and ISO/IEC 11801
- IEC-61754-7 & EIA/TIA-604-5
- NFPA 262 or IEC 60332
- Compliant to Directive 2002/95/EC (RoHS) and REACH SvHC
- IEC-60793

Ordering Information

	Connector A		Connector B		Fibre Type		Cable Type		Fibre Count		Length		Extra Options		
OTM	20	MTP® Male	20	MTP® Male	9	G.652.D	M	Micro Cable Single Jacket	08	8	01	1m	A	Polarity A (use it only with MTP®)	
	22	MTP® Female	22	MTP® Female	A1	G.657A1			12	12	05	5m	B	Polarity B (use it only with MTP®)	
	24	MTP® Male Elite	24	MTP® Male Elite	A2	G.657A2			16	16	C	Polarity C (use it only with MTP®)	
	26	MTP® Female Elite	26	MTP® Female Elite	1	OM1			24	24	xx	Specify	-	LSZH	
	28	MTP® Male 24F Elite	28	MTP® Male 24F Elite	2	OM2							R	OFNR	
	30	MTP® Female 24F Elite	30	MTP® Female 24F Elite	3	OM3							P	OFNP	
	32	MTP® Male 24F	32	MTP® Male 24F	4	OM4									
	34	MTP® Female 24F	34	MTP® Female 24F	5	OM5									
	21	MPO Male	21	MPO Male											
	23	MPO Female	23	MPO Female											
	25	MPO Male Elite	25	MPO Male Elite											
	27	MPO Female Elite	27	MPO Female Elite											
	33	MPO Male 24F	33	MPO Male 24F											
	35	MPO Female 24F	35	MPO Female 24F											
	29	MPO Male 24F Elite	29	MPO Male 24F Elite											
	31	MPO Female 24F Elite	31	MPO Female 24F Elite											

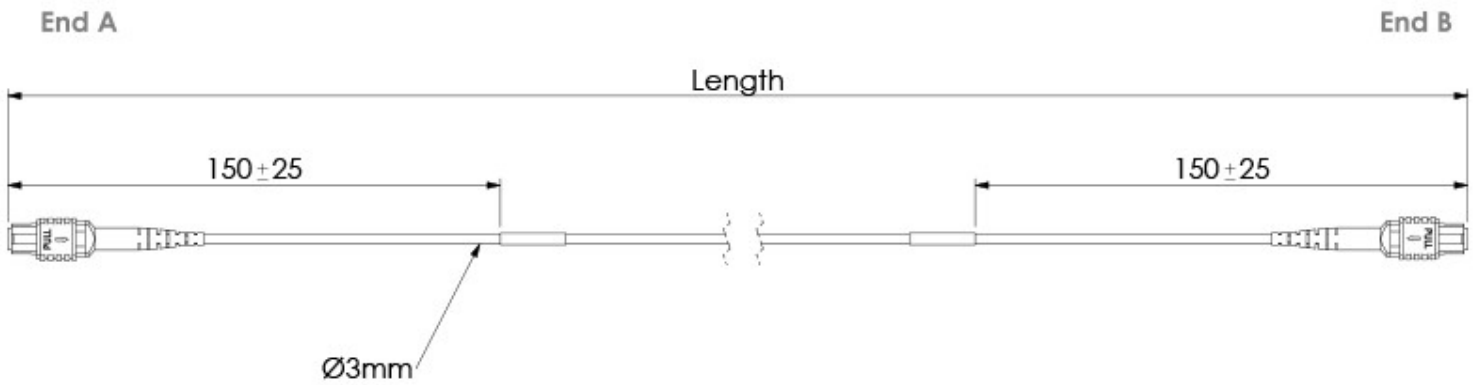
Example Part Number

OTM	-	20	20	3	M	12	-	05	-	A
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MTP® Male to MTP® Male 12-Fibre OM3 Single Jacket Trunk 5m - Method A Polarity

Technical Drawing

12 Fibre Trunk Single jacket 3mm OD



Spool Packaging



MTP® is a registered trademark of US Conec Ltd