

# OPTICAL FIBRE ASSEMBLIES

## MTP® Trunk Cable Assemblies



Part Number	<b>STROMTPFMTPFOM312/5</b>
	MTP OM3 12 CORE TRUNK 5MT
	<b>STROMTPFMTPFOM312/10</b>
	MTP OM3 12 CORE TRUNK 10MT
	<b>STROMTPFMTPFOM312/15</b>
	MTP OM3 12 CORE TRUNK 15MT
	<b>STROMTPFMTPFOM312/20</b>
	MTP OM3 12 CORE TRUNK 20MT
<b>STROMTPFMTPFOM312/25</b>	
MTP OM3 12 CORE TRUNK 25MT	
<b>STROMTPFMTPFOM312/30</b>	
MTP OM3 12 CORE TRUNK 30MT	

Stronglink MTP® trunk multicore cable assemblies facilitate rapid deployment of high density backbone cabling in data centres and other high fibre environments reducing network installation or reconfiguration time and cost. They are used to interconnect cassettes, panels or ruggedised MTP® fanouts, spanning mda, hda and eda zones.

MTP® trunk assemblies are offered in fibre types in standard 12, 24 or 48 core versions using a compact and rugged microcable structure. The compact cables optimise cableway use and improve airflow.

Stronglink MTP® trunks are built with highest quality components. Standard MTP® as well low loss elite versions are offered featuring low insertion loss for demanding high speed networks where power budgets are critical.

### Features

- ▶ OS1/OS2, OM3, OM4 fibre versions (OM1 and OM2 available)
- ▶ 12, 24 And 48 core microcable trunk
- ▶ LSZH, OFNP cable jacket
- ▶ Female (standard) and male MTP® connectors
- ▶ Polarity a (standard), B or C
- ▶ Factory terminated and tested

### Application

- ▶ Data centre infrastructure
- ▶ Storage area network- fibre channel
- ▶ Parallel optics
- ▶ Infiniband
- ▶ Emerging 40 and 100gbps protocols

### Standards Compliance

- ▶ TIA/EIA-568-C.3 and ISO/IEC 11801
- ▶ IEC-61754-7 & EIA/TIA-604-5
- ▶ NFPA 262 (OFNP) or IEC 60332 (LSZH)
- ▶ TIA/EIA 568-B.1-7
- ▶ ROHS and REACH SvHC

### Benefits

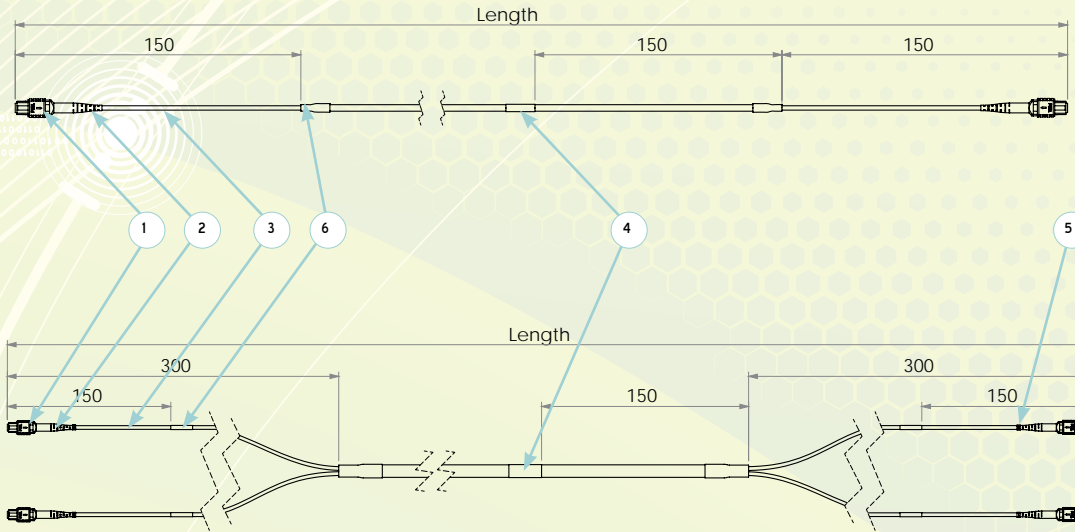
- ▶ MTP® Interface- MTP® Us Conec Brand Components Feature Superior Optical And Mechanical Properties.
- ▶ Optimised Performance- Low Loss MTP® Elite, Discreet Premium Connectors And Om4 Fibre Assures Low Insertion Losses And Power Penalties In Tight Power Budget High Speed Network Environment.
- ▶ High Density- Multifibre Connector And Compact Dimension Of Ruggedised Microcable Ease Space In Costly Data Centre Environments.Rapid Deployment- Factory Terminated Modular System Saves Installation And Reconfiguration Time During Moves, Ads And Changes.
- ▶ Next Generation Network Proof- Emerging High Speed Protocol Are Going To Use MTP® Interface- Your Cabling Infrastructure Remains Unchanged.

### Connector Specifications

CONNECTOR MATING	IL AVERAGE / MASTER	IL MAX/ MASTER	RETURN LOSS
MTP® Elite (MM)	0.10dB	0.5dB	NA
MTP® (MM)	0.0dB	0.60dB	NA
MTP® Elite (SM)	0.10dB	0.5dB	>60dB
MTP® (SM)	0.5dB	0.75dB	>60dB

# OPTICAL FIBRE ASSEMBLIES

## MTP® Tunk Cable Assemblies



1. MTP® Connector
2. MTP® Connector Boot
3. Fibre Optic Microcable
4. Serial Number Label
5. Channel ID Clip
6. Heatshrink

### Cable Performance

FIBRETYPE (ISO/IEC 11801)	OS1/OS2	OM1	OM2	OM3	OM4
Attenuation Coefficient [dB/km]	≤ 0.38 Max (1300nm) ≤ 0.25 Max (1300nm) ≤ 0.34 Typ (1550nm) ≤ 0.19 Typ (1550nm)	≤ 3.5 Max (850nm) ≤ 1.5 Max (1300nm) ≤ 2.9 Typ (850nm) ≤ 1.2 Typ (1300nm)	≤ 3.5 Max (850nm) ≤ 1.5 Max (1300nm) ≤ 2.7 Typ (850nm) ≤ 0.9 Typ (1300nm)	≤ 3.5 Max (850nm) ≤ 1.5 Max (1300nm) ≤ 2.7 Typ (850nm) ≤ 0.9 Typ (1300nm)	≤ 3.5 Max (850nm) ≤ 1.5 Max (1300nm) ≤ 2.7 Typ (850nm) ≤ 0.9 Typ (1300nm)
Minimum Bandwidth: Overfilled Launch [Mhz-km]	NA	≥ 200 (850nm) ≥ 500 (1300nm)	≥ 500 (850nm) ≥ 500 (1300nm)	≥ 1500 (850nm) ≥ 500 (1300nm)	≥ 3500 (850nm) ≥ 500 (1300nm)
Minimum Bandwidth: Laser Effective Modal Bandwidth [Mhz-km]	NA	NA	NA	≥ 2000 (850nm)	≥ 4700(850nm)

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### Technical Specification

ELEMENT	CHARACTERISTIC
Fibre	OS 1/OS2, OM1*, OM2*, OM3, OM4 (ISO /IEC 60793)
Cable	Microcable- 12, 24, 48 cores (ISO / IEC 60794) MA X OD: Max OD 12 cores 4.5±0.3mm / Max OD 24 cores 4.5 x 7.4±0.3mm Jacket material: LS ZH (IEC 60332), OFNP (NFPA 262) Jacket colour: Violet (OM3), Aqua (OM3)
Connectors	MTP® US Conec (IEC -61754-7 & EIA /TIA -604-5) Boot Colour: Black / Body Sleeve Colour:mm (Beige),mm Elite (Aqua), SM (Green), SM Elite (Yellow)
Packaging	Length< 50m- PE bag / Length> 50m- Drum
Operating Temperature	-25 ~ +70°C IEC 61300-2-22
Storage Temperature	-40 ~ +70°C

### Part Number

Connector End A	Gender A	Connector End B	Gender B	Fibre Type	Fibre Count	Cable Length (Mtrs)	Polarity	Optional Colour	Optional Jacket Type
MTP® standard	Female F	MTP® standard	Female F	OS1/OS2	12	XX	A	Aqua AQ	LSZH standard
MTP® Elite®	Male M	MTP® Elite®	Male M	OM1	24		B	Purple PU	OFNP PVC
				OM2	48		C	Orange OR	
				OM3					Erica Violet EV
				OM4					

**Example Part Number:**  
**MTPFMTPFOM31216AAQLS/Z**

This part number has created a 16 metre 12 Core MTP® female to MTP® female OM3 polarity method A, Jacket colour Aqua LSZH trunk assembly.