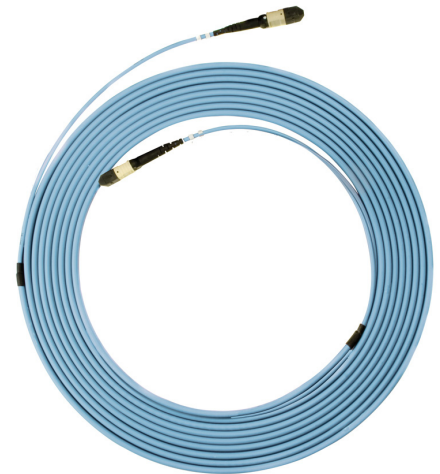


MTP® trunk cable assemblies

- OS1/2, OM1, OM2, OM3, OM4 fibre grades
- 12, 24, 48, 72, 96 and 144 core single jacket constructions
- OFNR, OFNP and LSZH jacket types available
- Female (standard) and Male MTP® connectors
- Polarity method A, B or C
- ISO 9002 factory controlled, terminated and tested



Overview

Our MTP® multicore trunk assemblies drastically reduce initial installation and ongoing maintenance costs with their efficient plug and play architecture.

They are available in a wide variety of fibre types and jackets in single 12, 24, 48, 72, 96 and 144 core constructions.

Our MTP® trunks are constructed using only the highest quality components. Standard MTP® as well as low loss Elite versions are offered featuring low insertion loss for demanding high speed networks where power budgets are critical.

Benefits

- MTP® interface - MTP® US Conec brand components feature superior optical and mechanical mating properties
- Optimized performance - Assemblies constructed with low loss MTP® Elite discreet Premium connectors and OM4 fibre assure low insertion losses and power penalties in tight power budget, high speed network environments
- High density - The microcable construction drastically reduces the amount of space required in cable pathways

- Rapid deployment - designed as a modular system, initial installation and future architectural changes
- Reliability- Strict ISO controlled manufacturing standards and extensive QC combined with superior component performance guarantees a product of the highest standards

Applications

- High density architectures
- Storage area networking fibre channel
- Parallel optics
- Infiniband
- Emerging 40 Gb and 100 GBE protocols

Standard compliance

- TIA/EIA-568-C.3 and ISO/IEC 11801
- IEC-61754-7 & EIA/TIA-604-5
- NFPA 262 (OFNP) or IEC 60332 (LSZH)
- IEC-61754-20 (LC) & IEC-61754-14 (SC)
- Compliant to Directive 2002/95/EC (RoHS) and REACH SvHC
- IEC-60793
- OFNR, OFNP and LSZH available

Specifications

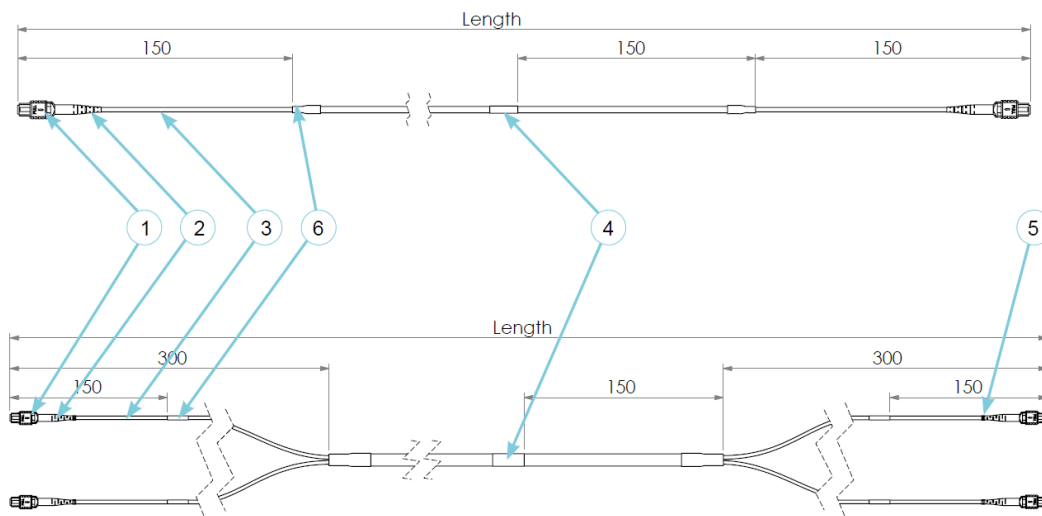
Fibre grade	OS1/OS2, OM1, OM2, OM3, OM4 (ISO/IEC 60793)
Cable specification	Microcable: 12, 2, 48, 72, 96, 144 cores (ISO/IEC 60793) Max OD: Max OD 12 cores 4.5 ± 0.3 mm / Max OD 24 cores 4.5 x 7.4 ± 0.3 mm Jacket material: OFNR, OFNP (NFPA 262), LSZH (IEC 60332), Jacket colour: Yellow (OS1/OS2), Orange (OM1, OM2), Aqua (OM3), Purple (OM3), Erika Violet (OM4)
Connectors	MTP® US Conec (IEC-61754-7 & EIA/TIA-604-5) Boot Colour: Black / Body Sleeve Color: MM (Beige), MM Elite (Aqua), SM (Green), SM Elite (Yellow)
Packaging	12 Core >100m = Reel, 24 Core >50m = Reel, 48 Core >20m = Reel, 72+ Core = Reel Automatically
Operating temperature	-10 ~ +60°C
Installation temperature	-40 ~ +70°C

Cable performance

Fibre type (ISO/IEC 11801)	OS1/OS2	OM1	OM2	OM3	OM4
Attenuation coefficient [db/km]	≤ 0.38 Max (1300nm)	≤ 3.5 Max (850nm)	≤ 3.5 Max (850nm)	≤ 3.5 Max (850nm)	≤ 3.5 Max (850nm)
	≤ 0.25 Max (1300nm)	≤ 1.5 Max (1300nm)	≤ 1.5 Max (1300nm)	≤ 1.5 Max (1300nm)	≤ 1.5 Max (1300nm)
	≤ 0.34 Typ (1550nm)	≤ 2.9 Typ (850nm)	≤ 2.7 Typ (850nm)	≤ 2.7 Typ (850nm)	≤ 2.7 Typ (850nm)
	≤ 0.19 Typ (1550nm)	≤ 1.2 Typ (1300nm)	≤ 0.9 Typ (1300nm)	≤ 0.9 Typ (1300nm)	≤ 0.9 Typ (1300nm)
Minimum bandwidth: Overfilled launch [Mzh-km]	NA	≥ 200 (850nm) ≥ 500 (1300nm)	≥ 500 (850nm) ≥ 500 (1300nm)	≥ 1500 (850nm) ≥ 500 (1300nm)	≥ 3500 (850nm) ≥ 500 (1300nm)
Minimum bandwidth : Laser effective modal bandwidth [Mzh-km]	NA	NA	NA	≥ 2000 (850nm)	≥ 4700 (850nm)

Connector performance

Connector mating	IL average	IL MAX	Return loss
MTP® Elite (MM)	0.10 dB	0.35 dB	NA
MTP® (MM)	0.20 dB	0.60 dB	NA
MTP® Elite (SM)	0.10 dB	0.35 dB	>60 dB
MTP® (SM)	0.25 dB	0.75 dB	>60 dB



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

Ordering information

Part number generator

Connector END A		Gender A		Connector END B		Gender B		Fiber type		Fiber count	Cable length (m)	Polarity method	Colour		Jacket type	
MTP® standard	MTP	Female	F	MTP® standard	MTP	Female	F	OS1/OS2	09	12	xx	A	Aqua	AQ	OFNR (standard)	RI
MTP® Elite®	MTPE	Male	M	MTP® Elite®	MTPE	Male	M	OM1	62	24		B	Purple	PU	OFNP	PL
								OM2	50	48		C	Orange	OR	LSZH	LS
								OM3	OM3	72			Yellow	YE		
								OM4	OM4	96			Erika violet	ER		
										144						

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