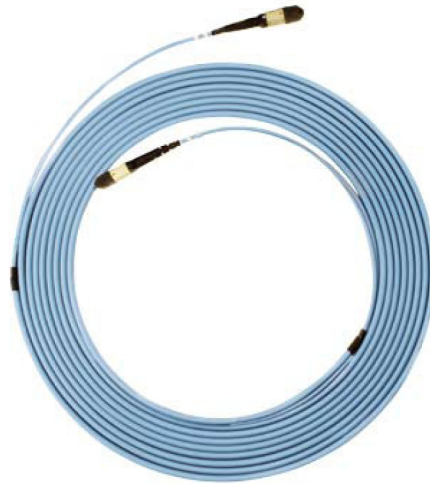




# MTP<sup>®</sup>/MPO Trunk Cable Assemblies



MTP<sup>™</sup> trunk assemblies are offered in fiber types in standard 12, 24 or 48 core versions using a compact and rugged microcable structure. The compact cables optimize cableway use and improve airflow.

## Features

- ▶ OS1/2, OM3, OM4 Fiber Grades (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

## Applications

- ▶ Data Centre Infrastructure
- ▶ Storage Area Network- Fiber 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
- ▶ Compliant to Directive 2002/95/EC (RoHS) and REACH SvHC

## Cable Performance

FIBERTYPE (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) ≤ 2.9 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)
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)

## Connector Performance

CONNECTOR MATING	IL AVERAGE	IL MAX	RETURN LOSS
MTP (MM)	0.35 dB	0.60 dB	NA
MTP (SM)	0.25dB	0.75dB	>60dB

## Technical Specification

ELEMENT	CHARACTERISTIC
Fiber	OS1/OS2, OM1*, OM2*, OM3, OM4 (ISO/IEC 60793)
Adaptors	Microcable- 12, 24, 48 cores (ISO/IEC 60794) MAX OD: Max OD 12 cores 4.5 ± 0.3mm / Max OD 24 cores 4.5 x 7.4 ± 0.3mm Jacket material: LSZH (IEC 60332), OFNP (NFPA 262) Jacket colour: Violet (OM3), Aqua (OM3, OM4), Yellow (OS1/OS2), Orange (OM1, OM2)
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	-10 ~ +60°C
Storage Temperature	-10 ~ +60°C

## Part Number Generator

