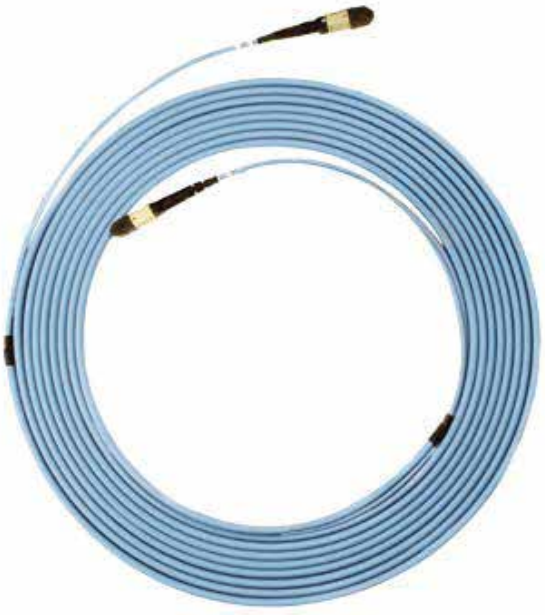
MTP/MPO TRUNK CABLE ASSEMBLIES



OS1/2 9/125 | G.657.A1 | G.657.A2

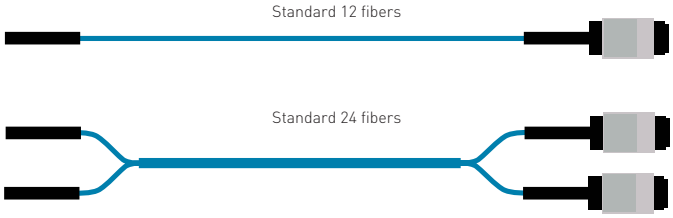
OM1 62.5/125

OM2 50/125

OM3 50/125

OM4 50/125

MTP/MPO trunk assemblies are offered in standard 12, 24, 48 or 72 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, 48 and 72 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

Connector Performance

Connector Mating	IL Average	IL Max	Return Loss
MTP (MM) MTP (SM)	0.35 dB 0.25dB	0.50dB 0.50dB	NA >60dB

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)

Ordering Information

Connector END A	Connector END B	Fiber Count	Fiber Type	Jacket Type
MTPF=MTP Female MTPM=MTP Male MTPFE=MTPFemale EliteTM MTPME=MTPMale EliteTM	MTPF=MTPFemale MTPM=MTPMale MTPFE=MTPFemale EliteTM MTPME=MTPMale EliteTM	12=12 Fibers 24=24 Fibers 48=48 Fibers 72=72 Fibers	OS2=9/125 7A1=G657A1 OM1=50/125 OM3=OM3 OM4=OM4	LS/A=LSZH standard method A LS/B=LSZH standard method B LS/C=LSZH standard method C LS/A/P1=LSZH standard method A with pulling on one end LS/A/P2=LSZH standard method A with pulling on both ends