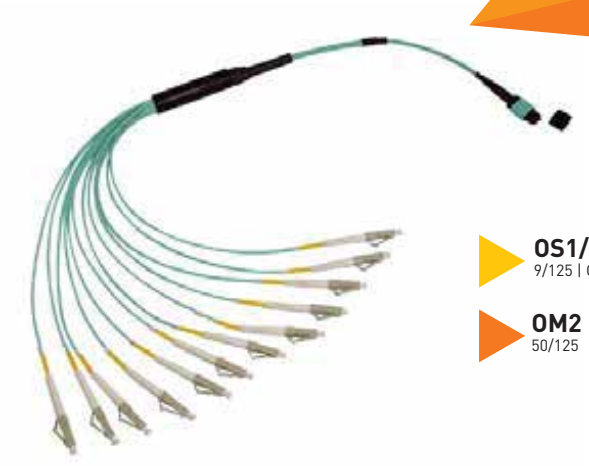
MTP® FAN-OUT CABLE ASSEMBLIES



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

OM1
62.5/125

OM2
50/125

OM3
50/125

OM4
50/125

FIBER-REX MTP ruggedized fan-out assemblies route multifiber MTP connection into discreet connectors. They are used to directly connect MTP cassettes, panels or backbone MTP assemblies to active equipment, saving costly data centre rack space and easing fiber management.

MTP fan-out assemblies are offered in fiber types in standard 12, 24, 48 or 72 core versions in a compact and rugged microcable structure. The compact cables optimize cableway use and improve airflow. FIBER-REX MTP fan-out assemblies are built with highest quality components. An Elite version is offered, featuring low insertion loss for demanding high speed networks where power budgets are critical.

Features

- OS1/2, OM3, OM4 Fiber Versions (OM1 and OM2 available)
- 12, 24, 48 and 72 Core Microcable Trunk Assemblies
- LSZH, OFNP Cable Jacket
- Female or Male MTP connectors
- Factory Terminated and Tested

Technical Specification

- Data Centre Infrastructure
- Storage Area Network Fiber Channel
- Parallel Optics & Infiniband
- Emerging 40 and 100Gbps Protocols

Connector Performance

Connector Mating	IL Average	IL Max	Return Loss
MTP Elite (MM) MTP (MM) LC, SC (MM) LC, SC Premium (MM)	0.20 dB 0.35 dB 0.15dB 0.08dB	0.35 dB 0.60 dB 0.30dB 0.15dB	NA NA NA NA

Connector Mating	IL Average	IL Max	Return Loss
MTP Elite (SM) MTP (SM) LC, SC (SM) LC, SC Premium (SM)	0.18 dB 0.25 dB 0.18dB 0.12dB	0.25 dB 0.75 dB 0.25 dB 0.15dB	>60dB >60dB >55/65dB* >55/65dB*

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	Cable Length (m)	Jacket Type
F=Female M=Male FE=Female EliteTM ME=Male EliteTM	LC=LC/UPC LCA=LC/APC SC=SC/UPC SCA=SC/APC	12=12 Fibers 24=24 Fibers 48=48 Fibers 72=72 Fibers	OS2=9/125 7A1=G657A1 OM1=50/125 OM3=OM3 OM4=OM4	2/0.5=Total length 2m fanout length 0.5m	LS/RF=LSZH ruggedized fanout LS/RF/P=LSZH ruggedized fanout with pulling sock LS/RFP/S=LSZH ruggedized fanout staggered LS/RFP/SP=LSZH ruggedized fanout staggered with pulling sock