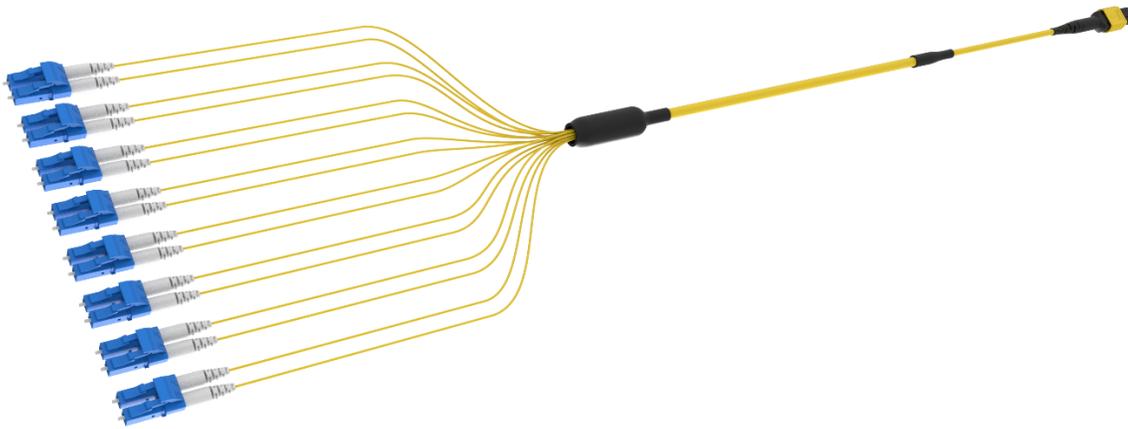


MTP[®]/MPO TO LC/SC FANOUTS **BASE-16**



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NEXCONEC[®] MTP[®]/MPO to LC/SC Fanouts BASE-16 are compact, high-density fiber optic assemblies designed to break out a BASE-16 MTP[®]/MPO connector into discrete LC or SC connectors. Ideal for high-performance data center environments, these fanouts support **100G, 400G, 800G** and emerging **1.6T** applications, enabling reliable connectivity between active equipment or interconnecting structured cabling modules and panels.

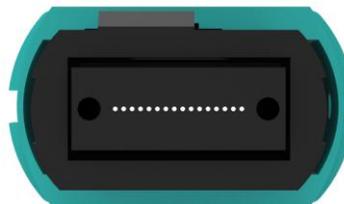
These fan-out assemblies facilitate seamless transitions between high-bandwidth MTP[®]/MPO trunk cables and lower-bandwidth devices or patching environments. Available in micro-cable constructions with single or double jacket options, they offer flexibility and durability even in space-constrained deployments. The LC/SC connectors are available in simplex, duplex, or round-duplex variants, while the MTP[®]/MPO and single-ferrule connectors are offered in both Standard and Elite grades to meet a range of power-budget requirements.

FEATURES

- ✓ Small factor breakout module from MTP[®]/MPO to LC or SC tails 2.0mm SX, DX or Uniboot
- ✓ Cable terminated with Base-16 fiber MTP[®]/MPO Connectors
- ✓ Available in custom length and cable construction from 16 to 144 fibers
- ✓ All Assemblies are factory tested and come with test certificate
- ✓ CPR Euro classes certified on demand 

APPLICATIONS

- ✓ Telecommunication networks
- ✓ Data centers, Co-location DC
- ✓ LAN or Campus wide Network
- ✓ Migration to Higher Speeds



16 Fiber MTP/MPO

MTP[®]/MPO CONNECTOR SPECIFICATIONS

Parameters	IL – Max	IL – Typical	RL
SM APC – Standard	0.75 dB	0.40 dB	> 60 dB
SM APC – Premium	0.35 dB	0.20 dB	> 60 dB
MM – Standard	0.60 dB	0.40 dB	> 20 dB
MM – Premium	0.35 dB	0.20 dB	> 20 dB

Note: MTP[®]/MPO Single mode (SM) Connectors are APC by default. But Multimode (MM) Connectors are available in UPC and APC options.

SINGLE FERRULE CONNECTOR SPECIFICATIONS

Parameters	IL – Max	IL – Typical	RL (PC/APC)
SM – Standard	≤ 0.30 dB	≤ 0.20 dB	> 55/65 dB
SM – Premium	≤ 0.15 dB	≤ 0.12 dB	> 55/65 dB
MM – Standard	≤ 0.30 dB	≤ 0.18 dB	> 28 dB
MM – Premium	≤ 0.15 dB	≤ 0.08 dB	> 28 dB

CABLE CHARACTERISTICS

Cable Characteristics	Units	Value				
Fiber Count		16F	48F	64F (72F)	96F	144F
Outer Diameter	mm	4.5	9.6	11.2	13.3	17.5
Tensile Strength (Long Term)	N	150	200	300	300	300
Tensile Strength (Short Term)	N	400	600	1000	1000	1000
Crush Resistance (Short Term)	N/100mm	1000	1000	1000	1000	1000
Minimum Bending Radius	mm	10D (Static)/20D (Dynamic)				
Cable/Tail Material		LSZH/PVC				
Strength Member		Aramid/FRP				
Operating Temperature	°C	-20 ~ +70				
CPR Reaction to Fire Classification	Certified	Cca-s1a,d0,a1	B2ca-s1a,d0,a1			

*** For higher fiber counts please refer to our cable datasheet

FANOUT CABLE CHARACTERISTICS

Cable Characteristics	Units	Simplex	Duplex	Round Duplex
Cable Material		LSZH or PVC	LSZH or PVC	LSZH or PVC
Strength Member		Aramid	Aramid	Aramid
Crush	N	500	500	500
Operating Temperature	°C	-20 ~ +70	-20 ~ +70	-20 ~ +70

ORDER INFORMATION

Ask Sales for Order Details: sales@nexconec.com

Or [Contact Us](#) by filling website contact form, one of our colleagues will get back to you shortly!