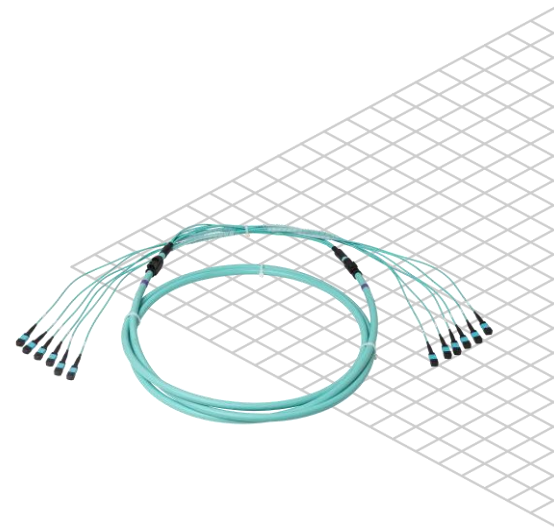


STAR MTP® Trunk Cables

The pre-terminated and bend-insensitive STAR MTP® Trunk cables are high density cables providing six times the density as LC Duplex connectors. MTP® trunk cables include up to 12 fiber connectors and are available in single-mode and multimode types accommodating up to 144 fibers.

STAR MTP® trunk cables include strain relief grips for quick cable mounting onto STAR products and are supplied with pull material and equipment for safe installations.



Features

- Pre-terminated with MTP® Elite low loss connectors and high precision guiding pins providing accurate alignment, high durability and excellent performance
- LSZH-FR (Low Smoke Zero Halogen, Flame Retardant / HFFR (Halogen Free Flame Retardant) cable jackets deliver greater fire protection performance
- All-dielectric cable designed for maximum safety and electromagnetic noise reduction
- IL/RL (Insertion Loss and Return Loss) testing and interferometer testing for ferrule geometry for every fiber to ensure high-quality performance
- Durable strain relief and pulling eye grips enable faster deployment
- Fully documented cables including individually printed serial numbers make identification easier
- 10G/40G/100G migration solutions facilitate easy, cost effective cabling infrastructure
- Space saving characteristic makes it ideal for limited cable duct space

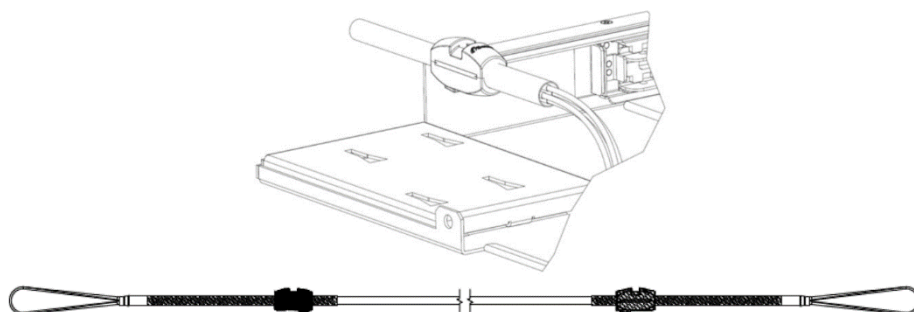
Standards

Compliant with the following standards:

- IEEE 802.3ab-2010 - ETL lab verified (up to 100G Ethernet)
- IEEE 802.3ba 40Gb/s and 100 Gb/s
- IEC 60793-2-10:2019, applicable to A1-OM4 and A1-OM5
- ITU-T G.657.A2 for SM OS2
- IEC 61754-20, IEC 61754-7, IEC 60793-1, IEC 11801 (OS2, OM3, OM4 and OM5), IEC 60793-1, IEC 60794, ISO/IEC 14763, IEC 60874, IEC 60811, IEC 61280, IEC 61755-3, IEC TR 62221, IEC 62263, IEC 61282, IEC 61290, IEC 60794, ISO/IEC 14763, IEC 60874, IEC 60811, IEC 61280, IEC TR 62221, IEC 62263, IEC 61282, IEC 61290
- UL 94 V-0, IEC 60332-3C, IEC 60754-2, IEC 61034, *CPR-CLASS CA, S1, D1, A1, UL1581 VW-1, UL1666
- EN 50575:2014, CSA C22.2 FT-1
- TIA-942
- GR-1435-CORE
- JIC TYPE AND EIA/TIA-604
- RoHS

* Optional

Pull Eye and Cable Mounting Position



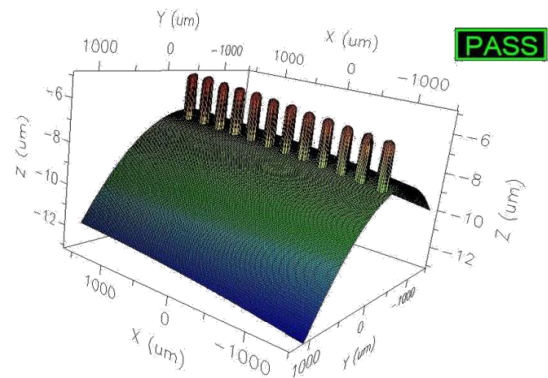
Specifications

PARAMETER	MODEL	
	MODE LOW-LOSS-MULTI	MODE LOW-LOSS-SINGLE
Connection Insertion Loss	0.1 dB Typical 0.3 dB Max	
Return Loss	>-35 dB	>-60 dB (8° Angle Polish)
Loss Variation (Durability)	≤0.2 dB 500 cycles (per EIA-455-21A)	≤0.3 dB 500 cycles (per EIA-455-21A)
Fiber Attenuation	< 3.0 dB/km @850nm	< 0.35 dB/km @1310/1550 nm
Operating Temperature	-20°C ~ +70°C	
Cable Retention	12 fibers: 400N 24-144 fibers: 600N	
Connector Retention	45N	
Cable Crush Resistance	45 N/cm	
*Better performance available upon custom request		

NO OF FIBERS	OUTER DIAMETER	MAX BENDING RADIUS INSTALLATION	MAX BENDING RADIUS OPERATION
12	4.3 mm	60 mm	30 mm
24	5.2 mm	108 mm	54 mm
36	7 mm	122 mm	61 mm
48	7 mm	122 mm	61 mm
72	8.7 mm	188 mm	94 mm
96	9.4 mm	200 mm	100 mm
144	10.8 mm	222 mm	111 mm

Verification Tests

- Insertion Loss
- Return Loss
- Radius of Curvature
- Tilt
- Fiber Height



Build Your Order

Example: FIBT12OFFUU0010070070A

12 fiber, OM3, Female, Female, UPC, UPC, 1M, 70 cm, 70 cm, Low Loss Direct

NO. OF FIBERS		FIBER TYPE		CONNECTOR TYPE SIDE 1		CONNECTOR TYPE SIDE 2		POLISH TYPE SIDE 1		POLISH TYPE SIDE 2	
T12	12F	7	SM G657A2 B.I	F	MTP Female	0	No Connection	U	UPC	U	UPC
2X	2x12F	O	OM3 B.I.	M	MTP Male	4	SC Duplex	A	APC	A	APC
3X	3x12F	G	OM4 B.I.			9	LC Duplex				
4X	4x12F	W	OM5 B.I.			F	MTP Female				
6X	6x12F					M	MTP Male				
8X	8x12F					U	LC Uniboot				
12X	12x12F										

FIB XXX X X X X X XXXX XXX XXX A

CABLE LENGTH		FANOUT SIDE 1		FAN OUT SIDE 2		FIBER TYPE	
XXXX	XXXX m	XXX	XXX [cm]	XXX	XXX [cm]	A	Low Loss, Direct +Strain relief Clip + Pull Eye