



Build Specifications for Outdoor Singlemode Pre-Terminated Fiber Optic Assemblies - Custom Made in USA by QuickTreX®

- All Multimode Pre-Terminated Assemblies will be custom made at the time of your order, built with Corning® fiber to your specifications.
- All multi-strand fiber assemblies will be constructed using a breakout made with 2mil color coded buffer tubing for each leg. The buffer tubes will be securely fastened to the outer jacket using high strength adhesive type heat shrink tubing.
- The standard breakouts will be 14" for 2 and 4 strand, 18" for 6 strand, 24" for 12 strand and 36" for 24 strand.
- The connectors will be staggered to minimize the size of the pulling basket which will be ¾".
- No duplex clips will be used to pair the connectors unless otherwise specified. For connectors that come with duplex clips, we will provide those clips to the customer in a plastic bag that will be attached to the assembly.
- Heat shrink tubing will be used at:
 - The transition from the buffer tubes to the cable jacket.
 - Where the basket meets with the turn buckle (pulley hook)
 - Where the basket ends and connects with the cables jacket.
- One wrap around label is to be attached to each end of the cable assembly for identification. The label text includes the cable part#, and a unique serialized number.
- Pull Eyes (pulling baskets) (if so equipped) are made from Super strong polyethylene mesh and feature a free-spinning buckle to eliminate twisting of the cable during the pull.



TESTING

All fiber ends are visually inspected with a fiberscope of 400 power or better for surface defects including, cracking, pitting, and scratches, on the glass surface of the connector. All ends are tested utilizing a Loss Test Set to the following standards:

SM: IL – Max 0.2dB Min - .01dB - ORL (optical return loss) - 55dB

Note on "Loss Over Distance": Singlemode Fiber has a typical loss per Kilometer of 1.0 dB at 1310 MN, 1.0 dB at 1383 MN, 0.75 dB at 1550 MN.

* All test results will be included on the QuickTreX sticker found on the reel of the assembly.

Outdoor Fiber Specs:

Optical Specifications

TIA/EIA-568-C.3

Fiber type	Max. Attenuation		Min OFL Bandwidth		Min EMBc Bandwidth		Gb Ethernet distance		10 Gb Ethernet distance	
	(dB/km)		(MHz-km)		(MHz-km)		(m)		(m)	
	850nm (MM) or 1310nm (SM)	1300nm (MM) or 1550nm (SM)								
OM1	3.25	1.0	200	500	220	N/A	300	550	33	N/A
OM2	3.25	1.0	700	500	950	N/A	750	550	150	N/A
OM3	3	1.0	1500	500	2000	N/A	1000	550	300	N/A
OM4	3.0	1.0	3500	500	4700	N/A	1100	550	550	N/A
OS2	0.4	0.3	N/A	N/A	N/A	N/A	> 25,000	> 40,000	10,000 - 25,000	40000

Features:

- UV resistant jacket
- Gel filled which provides protections against water penetration
- Dry absorbent polymers eliminate water migration in cable interstices.
- Exclusive use of Corning® optical fibers
- Durable jacket offers added protection during installation and in rugged use applications

Bend radius

- No load = 10x cable overall diameter
- Load = 20x cable overall diameter

*these specifications are an example of the specifications of the fiber that will be used in the construction of a pre-terminated assembly. Due to cable availability, specs may vary slightly. If you are ready to place an order, and need to confirm exact specs, please email sales@lanshack.com.