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Build Specifications for Indoor/Outdoor Multimode 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:
  1) The transition from the buffer tubes to the cable jacket.
  2) Where the basket meets with the turn buckle (pulleye hook)
  3) 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:
*Multimode 62.5/125 and 50/125: IL Max 0.2db, Min -.01db..** All test results will be included on the QuickTreX sticker found on the reel of the assembly.

Indoor/ Outdoor Fiber Specs:

Optical Characteristics					
Items	Single Mode	OM1	OM2	OM3	OM4
Core Size	9 um	62.5 um	50 um	50 um	50 um
Wavelength	(1310/ 1550) nm	(850/ 1300) nm	(850/ 1300) nm	(850/ 1300) nm	(850/ 1300) nm
Max. Attenuation	(0.5/ 0.4) dB/ km	(3.5/ 1.5) dB/ km	(3.5/ 1.5) dB/ km	(3.5/ 1.5) dB/ km	(3.5/ 1.5) dB/ km
Bandwidth (EMB) (High Performance)	–	220 MHz @850nm	850 MHz @850nm	2000 MHz @850nm	4700 MHz @850nm
Link Length (10Gb/ s)	–	–	150 mtr	300 mtr	550 mtr

Physical Characteristics	Value
Nominal Outer Diameter (mm) of 2, 4, 6, 8, 12, 24 (fiber count)	4.40/ 4.80/ 5.30/ 5.80/ 6.30/ 8.10
Weight (lbs/ km) of 2, 4, 6, 8, 12, 24 (fiber count)	40/ 52/ 64/ 87/ 115/ 140
Minimum Bend Radius, Installation (cm) of 2, 4, 6, 8, 12, 24 (fiber count)	6.6/ 7.2/ 7.95/ 8.7/ 9.45/ 12.15
Minimum Bend Radius, Operation (cm) of 2, 4, 6, 8, 12, 24 (fiber count)	4.40/ 4.80/ 5.30/ 5.80/ 6.30/ 8.10

Temperature Range	Indoor
Storage Temperature	-40 C to +70 C
Operating Temperature	-40 C to +70 C

Features:

- 900µm Tight Buffers
- Water blocking aramid yarn strength members
- UV resistant jacket
- Exclusive use of Corning® optical fibers
- Durable jacket offers added protection during installation and in rugged use applications

*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.