



## Build Specs for Singlemode Micro Armored Pre-Terminated Fiber Optic Assemblies - Custom Made in USA by QuickTreX®

- All Micro Armored 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 (pulley 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 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.

### **Features:**

- The smallest OD of any armor compared to conventional optical fiber cable in size and flexibility
- Lightest and smallest armor makes routing and installation faster and easier
- Cables are up to 65% smaller and 75% lighter than conventional Aluminum Interlocking Armor (AIA)
- Provides the strongest armor with maximum bend radius and designed for all indoor & outdoor conditions
- Crush and rodent resistance for multiple usages
- Kevlar Fiber Strands adds tensile strength and flexibility
- 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](mailto:sales@lanshack.com).