



Build Specifications for Outdoor (OSP) Aerial Pre-Terminated Fiber Optic Assemblies with Messenger - Custom Made in USA by QuickTreX®

- All Aerial 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 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 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

Singlemode: 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.

Features:

- Heavy Duty Polyethylene (PE) UV Jacket (provides superior protection against UV radiation, fungus, abrasion, and other environmental factors)
- Stranded Steel Polyethylene Messenger Wire
- Water Blocking Tape
- Made with Genuine Corning® Altos® OSP Fiber Optic Cable
- Dielectric Central Element
- Application - Outdoor Self-supporting Aerial

*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.