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### **Build Specifications for MTP® FANOUT ASSEMBLIES - Custom Made in USA by QuickTrex®**

- All Pre-Terminated Micro-Distribution Assemblies will be custom made at the time of your order, built with Corning® fiber, genuine US Conec® MTP® connectors and premium components to your specifications.
- The MTP side of the assembly to include heavy duty buffer tubes for each 12 fiber breakout which will be securely fastened to the outer jacket using high strength adhesive type heat shrink tubing.
- The MTP connectors will be staggered to minimize the size of the pulling basket which will be ¾"
- The breakout side of assemblies will be constructed using 12 strand grouped breakouts. Each strand will be reinforced with 2mm furcation tubing which helps ruggedize each strand and help protect it during installation. Each strand will include a sequential numerical label. Each 12 strand breakout kit will also be sequentially labeled to help identify each strand on opposite ends of your assembly.
- The buffer tubes will be securely fastened to each 12 strand breakout kit using high strength adhesive type heat shrink tubing.
- The first main breakout will be customized to your selection and each group of 12 strands will include a 36" breakout. The main 12 inch breakouts kits will include a 6" stagger.
- The connectors itself will also be staggered to minimize the size of the pulling basket which will be approximately 1".
- Heat shrink tubing will be used at:
  - 1) The transition from the buffer tubes to the cable jacket.
  - 2) The transition of each 12 strand inner cable to the breakout kit
  - 3) Where the basket meets with the turn buckle (pull eye hook)
  - 4) Where the basket ends and connects with the cables jacket
- One wrap around label will be attached to each end of the cable assembly for identification. The label text includes the cable part number and a unique serialized number.
- Pulling Eyes (pulling baskets), if 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 MTP connections are polished and tested in accordance with IEC standards and specifications for insertion loss and return loss, where applicable.

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.

- **A printed copy of the test report will be included with each assembly. All test reports will also be stored in our database for 1 year and can be requested at any time.**

\*Typical lead times run 3-4 days for MTP fanout assemblies. If your order is urgent please contact us as we can sometimes cut lead times to accommodate an urgent order. You can also contact us if you need further customizations.