

Trunk Cable Assemblies

Fiber Connections Inc. offers multi-fiber cable assemblies that can be built with a wide variety of cable designs and connector styles. We are proud to offer many standard cable assembly configurations and can accommodate custom designs quickly and efficiently. Please contact the sales department for additional information.



KEY FEATURES

- RELIABLE FACTORY TERMINATED AND TESTED CONNECTORS
- 100% END FACE GEOMETRY TESTING IS AVAILABLE UPON REQUEST
- 100% TESTED AND INSPECTED PRIOR TO SHIPPING
- CUSTOM CONFIGURATIONS AVAILABLE UPON REQUEST
- MANUFACTURED IN NORTH AMERICA FOR QUICK TURN AROUND
- WIDE VARIETY OF CABLE AND CONNECTOR STYLES ARE AVAILABLE

Ordering Information

| Fiber Type | |
|------------|----------------|
| 1 | 62.5/125 (OM1) |
| 2 | SM (OS2) |
| 3 | 50/125 (OM2) |
| 9 | 50/125 (OM3) |
| A | 50/125 (OM4) |

| Cable Types | | | |
|-------------|---------------------------|---|--------------------------------|
| B | Breakout | L | Loose-tube (outdoor only) |
| D | Distribution | Q | 3mm Mini-Distribution - Indoor |
| F | Loose-tube (in/outdoor) | R | Flat Ribbon - Indoor |
| G | Tight Buffer (in/outdoor) | T | Tactical |
| J | Figure 8 (outdoor) | | |

| Fanout Size | |
|-------------|-----------------|
| 2 | 2mm |
| 3 | 3mm |
| 8 | Corning (900um) |
| 9 | 900um |

Length in meters



| Fiber Count | | | |
|-------------|----------|----|-----------|
| 02 | 2 Fiber | 36 | 36 Fiber |
| 04 | 4 Fiber | 48 | 48 Fiber |
| 06 | 6 Fiber | 72 | 72 Fiber |
| 08 | 8 Fiber | 96 | 96 Fiber |
| 12 | 12 Fiber | D4 | 144 Fiber |
| 24 | 24 Fiber | D6 | 288 Fiber |

| Cable Rating | |
|--------------|-------------------------|
| R | Riser (FT4) |
| P | Plenum (FT6) |
| A | Armored (not rated) |
| N | Non-Armored (not rated) |
| B | Armored Riser |
| C | Armored Plenum |

See table on next page for MM & SM connector options

| Pull-kits | |
|-----------|-------------|
| 0 | None |
| 1 | 1 installed |
| 2 | 2 installed |

| Connector Types | | | | | |
|-----------------|-----------------------------------------|--|---------------|-----------------------------------------|--|
| MM Connectors | | | SM Connectors | | |
| LP | MM LC | | LU | SM LCupc | |
| UP | MM LC UNIBOOT | | UU | SM LCupc UNIBOOT | |
| LM | MM MINI-LC | | LM | SM MINI-LCupc | |
| CP | MM SC | | CU | SM SCupc | |
| CC | MM SC (w/clips) | | CD | SM SCupc (w/clips) | |
| SP | MM ST (poly body) | | CZ | SM SCapc | |
| TP | MM ST (metal body) | | SU | SM STupc (poly body) | |
| FP | MM FC | | TU | SM STupc (metal body) | |
| RM | MM MTRJ (male) | | FU | SM FCupc | |
| RJ | MM MTRJ (female) | | FZ | SM FCapc | |
| RN | MM MTRJ (male) A-A B-B (one end only) | | RM | SM MTRJ (male) | |
| RV | MM MTRJ (female) A-A B-B (one end only) | | RJ | SM MTRJ (female) | |
| 00 | PIGTAIL (one end only) | | RN | SM MTRJ (male) A-A B-B (one end only) | |
| | | | RV | SM MTRJ (female) A-A B-B (one end only) | |
| | | | 00 | PIGTAIL (one end only) | |

Specifications - Transmission Performance

| Fiber Type | Multimode | | | | Single-mode |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|--------------------------|--------------------------|--------------------------|-----------------------------------|
| | 62.5/125µm (850/1300nm) | 50/125µm (850/1300nm) | 50/125µm (850/1300nm) | 50/125µm (850/1300nm) | Single-mode (1310/1383/1550nm) |
| ISO/IEC name | OM1 | OM2 | OM3 | OM4 | OS2 |
| Maximum Attenuation (dB/km) | 3.4/1.0 | 3.0/1.0 | 3.0/1.0 | 3.0/1.0 | 0.4/0.4/0.3* |
| Maximum Attenuation (dB/km) | 3.4/1.0 | 3.0/1.0 | 3.0/1.0 | 3.0/1.0 | 0.65/0.65/0.5** |
| Minimum Over Filled Launch (OFL) Bandwidth (MHx•km) | 200/500 | 700/500 | 1500/500 | 1500/500 | - / - / - |
| Minimum Effective Modal Bandwidth (MHx•km) | 220 / - | 950 / - | 2000 / - | 5350 / - | - / - / - |
| Serial 1 Gigabit Ethernet Distance (m) | 300/550 | 750/600 | 1000/600 | 1000/600 | 5000/ - / - |
| Serial 10 Gigabit Ethernet Distance (m) | 33/ - | 150/ - | 300/ - | 600/ - | 10000/ - / 40000 |
| * including ALTOS [®] , SST-Drop [™] , SOLO [®] , SST-Ribbon [™] , Industrial LSZH [™] , Mining and Petrochemical, FREEDM [®] LST [™] FREEDM [®] Loose Tube, FREEDM [®] Ribbon, MIC [®] 250, Ribbon, LSZH [™] Ribbon (Registered trademarks of Corning Cable Systems LLC) | | | | | |
| ** including Tactical, FREEDM [®] Fan-Out, FREEDM [®] ONE, MIC [®] various, Fan-Out, Single-Fiber, Zipcord 2-Fiber, Ribbon Interconnect | | | | | |
| Other cable types and manufacturers also available. | | | | | |
| Please contact customer service for additional information. | | | | | |

Specifications - Connector Performance

| Multimode | | 62.5/125 μm and 50/125μm @ 850nm | | | | | |
|------------------------------------------------------------------|---------------------|----------------------------------|------------------|-------|------------|------------------|------------------|
| Connector | Insertion Loss (dB) | | Reflectance (dB) | | Durability | Ferrule Material | Housing Material |
| | Typical | Max | | | | | |
| FCpc | 0.2 | 0.4 | | | < 0.2dB | Ceramic | Metal Alloy |
| LC | 0.2 | 0.4 | | | < 0.2dB | Ceramic | Composite |
| LC Duplex | 0.2 | 0.4 | | | < 0.2dB | Ceramic | Composite |
| MTRJ | 0.3 | 0.4 | | | < 0.2dB | Ceramic | Composite |
| SCpc | 0.2 | 0.4 | | | < 0.2dB | Ceramic | Composite |
| STpc polybody | 0.2 | 0.4 | | | < 0.2dB | Ceramic | Composite |
| STpc metal | 0.2 | 0.4 | | | < 0.2dB | Ceramic | Metal Alloy |
| Single-mode | | @ 1310nm | | | | | |
| Connector | Insertion Loss (dB) | | Reflectance (dB) | | Durability | Ferrule Material | Housing Material |
| | Typical | Max | Typical | Max | | | |
| FCupc | 0.2 | 0.4 | ≤ -59 | ≤ -55 | < 0.2dB | Ceramic | Metal Alloy |
| FCapc | 0.2 | 0.4 | ≤ -68 | ≤ -65 | < 0.2dB | Ceramic | Metal Alloy |
| LC | 0.2 | 0.4 | ≤ -58 | ≤ -55 | < 0.2dB | Ceramic | Composite |
| LC Duplex | 0.2 | 0.4 | ≤ -58 | ≤ -55 | < 0.2dB | Ceramic | Composite |
| MTRJ | 0.3 | 0.4 | ≤ -53 | ≤ -40 | < 0.2dB | Composite | Composite |
| SCupc Duplex | 0.2 | 0.4 | ≤ -59 | ≤ -55 | < 0.2dB | Ceramic | Composite |
| SCupc | 0.2 | 0.4 | ≤ -58 | ≤ -55 | < 0.2dB | Ceramic | Composite |
| SCapc | 0.2 | 0.4 | ≤ -68 | ≤ -65 | < 0.2dB | Ceramic | Composite |
| STupc polybody | 0.2 | 0.4 | ≤ -58 | ≤ -55 | < 0.2dB | Ceramic | Composite |
| STupc metal | 0.2 | 0.4 | ≤ -58 | ≤ -55 | < 0.2dB | Ceramic | Metal Alloy |
| <i>Durability - insertion loss change for 500 reconnections.</i> | | | | | | | |

Please contact customer service for additional information.

Custom configurations available upon request.

All specifications are subject to change