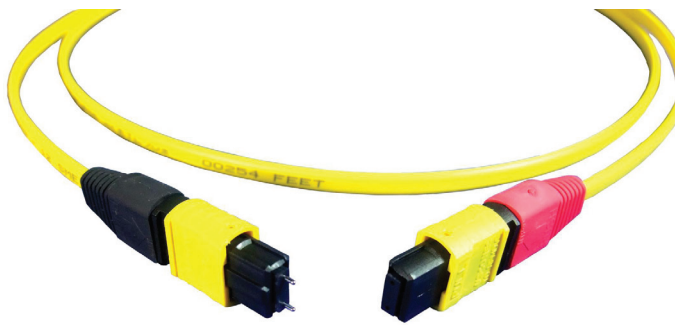




## MTP® Elite Trunk Cables

MTP Elite® connectors provide the lowest available insertion loss for MTP connections. MTP Elite® provides an advantage over standard MTP® connectors by reducing the typical insertion loss by ~50%. MTP® Elite trunk cables are the hub of our EasyLAN cabling solutions. All of Fiber Connections’ cables are made to order and based on individual customer requirements. They are available with any standard single mode or multimode fibers. Each cable assembly is 100% tested and then wound onto a disposable shipping reel for quick and easy installation. A ruggedized pulling eye, offered as an option, provides protection to the connectors and makes installation quick and easy. MTP is a registered trademark of USConec



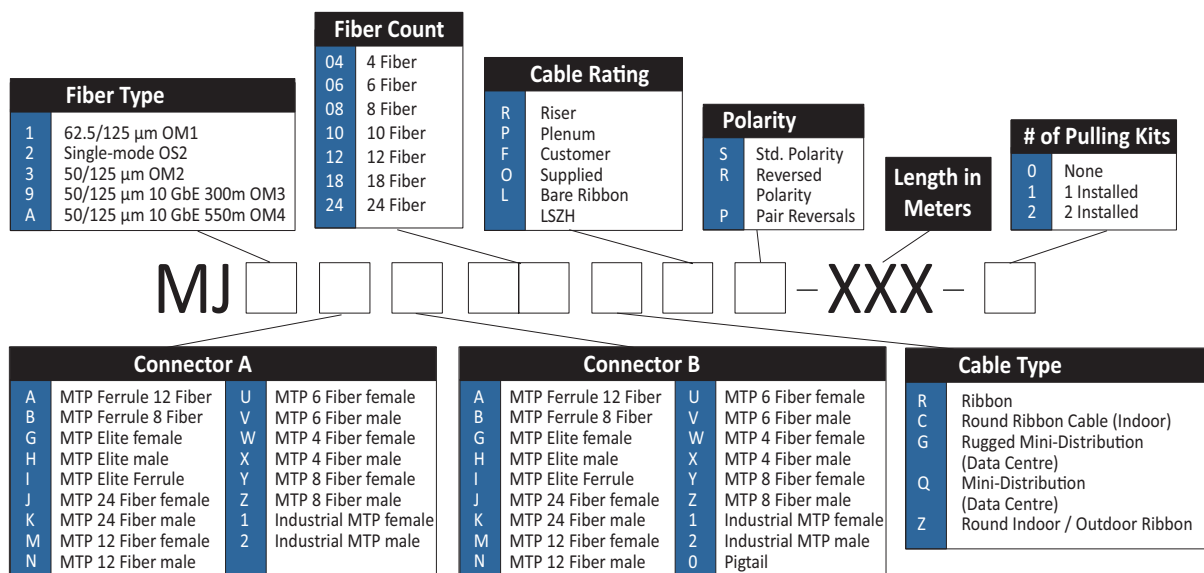
### APPLICATIONS

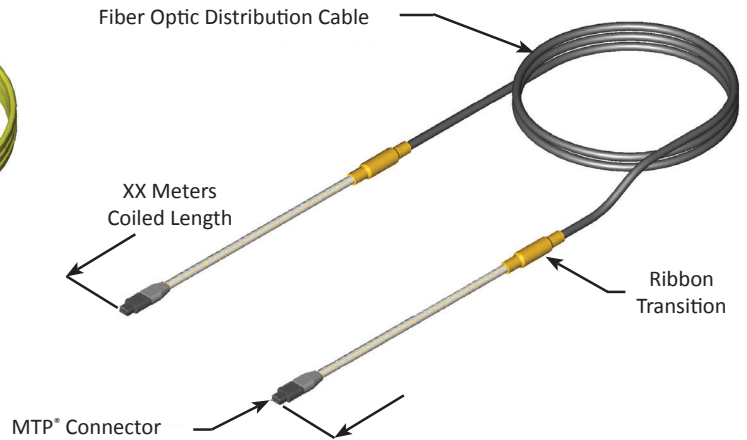
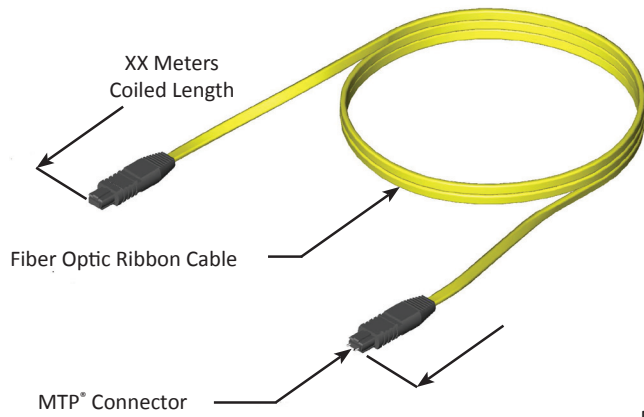
- High density cross-connects
- Backbone cabling
- Data center networks
- Industrial control and automation
- Telecommunication networks
- Horizontal cable runs

### FEATURES/BENEFITS

- Custom lengths eliminate cable waste
- Pre-termination and test reduces installation time and costs
- Pulling eyes make installation easy while protecting connectors
- Use with multi-fiber FDMs for easy to install, modular solutions
- 100% tested ‘Elite’ performance provides for longer, lower loss cable runs

### ORDERING INFORMATION





**POLARITY**

| MTP® Position End A | Fiber ID   | MTP® Position End B |    |    |
|---------------------|------------|---------------------|----|----|
|                     |            | S                   | R  | P  |
| 1                   | #1 Blue    | 1                   | 12 | 2  |
| 2                   | #2 Orange  | 2                   | 11 | 1  |
| 3                   | #3 Green   | 3                   | 10 | 4  |
| 4                   | #4 Brown   | 4                   | 9  | 3  |
| 5                   | #5 Slate   | 5                   | 8  | 6  |
| 6                   | #6 White   | 6                   | 7  | 5  |
| 7                   | #7 Red     | 7                   | 6  | 8  |
| 8                   | #8 Black   | 8                   | 5  | 7  |
| 9                   | #9 Yellow  | 9                   | 4  | 10 |
| 10                  | #10 Violet | 10                  | 3  | 9  |
| 11                  | #11 Rose   | 11                  | 2  | 12 |
| 12                  | #12 Aqua   | 12                  | 1  | 11 |

| Polarity |                   |
|----------|-------------------|
| S        | Standard Polarity |
| R        | Reversed Polarity |
| P        | Pair Reversals    |

MTP® is a registered trademark of US Conec Ltd



**TECHNICAL SPECIFICATIONS**

| Characteristic   | Multimode (at 850/1300nm)  |                 | Single-mode (at 1310/1550nm)      |             |
|--|--|-----------------|-----------------------------------|-------------|
| <b>MTP® Elite</b><br>Insertion Loss  | Typical 0.1 dB   | Maximum 0.35 dB | Typical 0.10 dB                   | Max 0.35 dB |
| <b>MTP® Elite</b><br>Reflectance   | < -20 dB   |                 | < -55dB (8° angled polish)        |             |
| Durability   | 500 Rematings: < 0.2 dB change   |                 | 500 Rematings:<br>< 0.3 dB change |             |
| Operating Temperature <sup>1</sup>   | Outdoor cable -40 °C to +70 °C; Indoor cable 0 °C to +70 °C  |                 |                                   |             |
| Length   | Length as defined in P/N, XX meters.<br>Tolerance: < 5.0 meters +5/-0 cm; ≥ 5.0 meters +20/-0 cm<br>Loose tube cables include a transition at one or both ends that is included in overall length. |                 |                                   |             |
| <sup>1</sup> Contact customer service representative to discuss exceptional environmental conditions |  |                 |                                   |             |

| Transmission Performance  |                            |                          |                          |                          |                                   |
|---|----------------------------|--------------------------|--------------------------|--------------------------|-----------------------------------|
|   | Multimode                  |                          |                          |                          | Single-mode                       |
| Fiber Type  | 62.5/125µm<br>(850/1300nm) | 50/125µm<br>(850/1300nm) | 50/125µm<br>(850/1300nm) | 50/125µm<br>(850/1300nm) | Single-mode<br>(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.   |                            |                          |                          |                          |                                   |