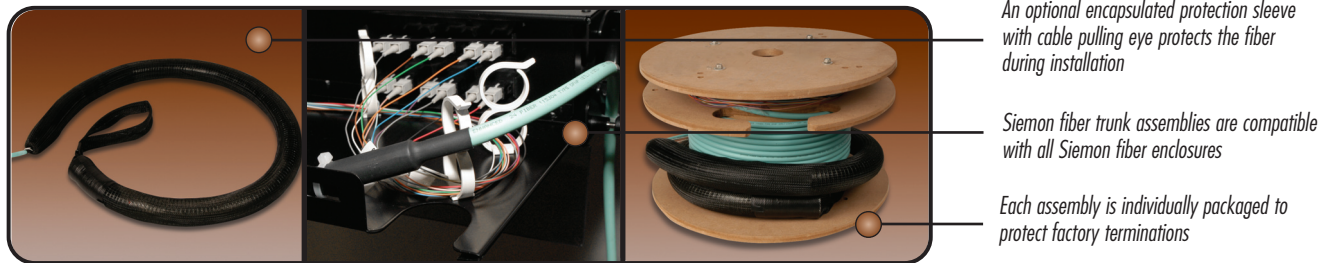
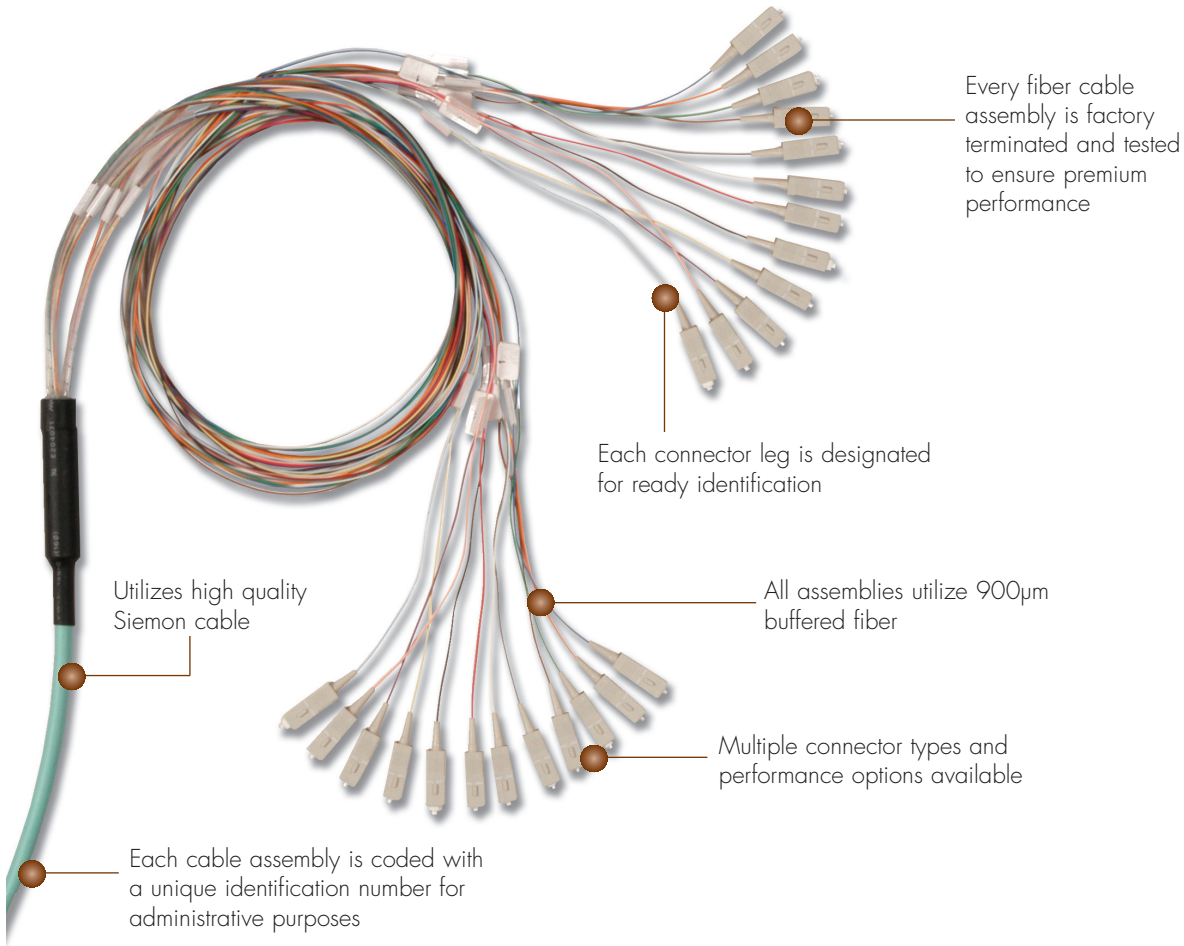


# FIBER TRUNK ASSEMBLY

Siemon's fiber trunking cable assemblies provide an efficient and cost effective alternative to individual field-terminated components. Combining factory terminated connectors with Siemon cable in a high-performance cable assembly, Siemon fiber trunking cables were designed with Local Area Networks (LAN), Data Centers and Storage Area Networks (SAN) applications in mind. In addition to providing simple and aesthetically pleasing cable dressing management, the assemblies allow significantly reduced field installation times. Standard configurations also help maintain consistent cable layout and facilitate efficient moves, adds and changes.



# PRODUCT INFORMATION

## Cable – Optical and Physical Specifications

| Cable Type                               | Multimode  |  |                                    | Singlemode             |
|--|--|--|------------------------------------|------------------------|
|  | LightSystem®<br>62.5/125µm<br>(850/1300 nm)                                      | LightSystem<br>50/125µm<br>(850/1300 nm) | XGLO™<br>50/125µm<br>(850/1300 nm) | XGLO<br>(1310/1550 nm) |
| Fiber Cable Attenuation, Max (dB/km)     | 3.5/1.0  | 3.5/1.0                                  | 3.5/1.0                            | 0.5/0.5*               |
| OFL Bandwidth, min (MHz•km)              | 200/500  | 500/500                                  | 1500/500                           | N/A                    |
| Effective Modal Bandwidth, min (MHz•km)  | N/A  | N/A                                      | 2000/NS                            | N/A                    |
| Cable Outer Jacket Color                 | Orange   | Orange                                   | Aqua                               | Yellow                 |
| Break-Out Colors: Single Fiber Strands** | Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua |  |                                    |                        |
| Sub-Unit Colors and/or Markings**        | Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua |  |                                    |                        |

\*XGLO singlemode fiber meets Low Water Peak specifications per ITU-T G.652.C

\*\*Per TIA-598-C

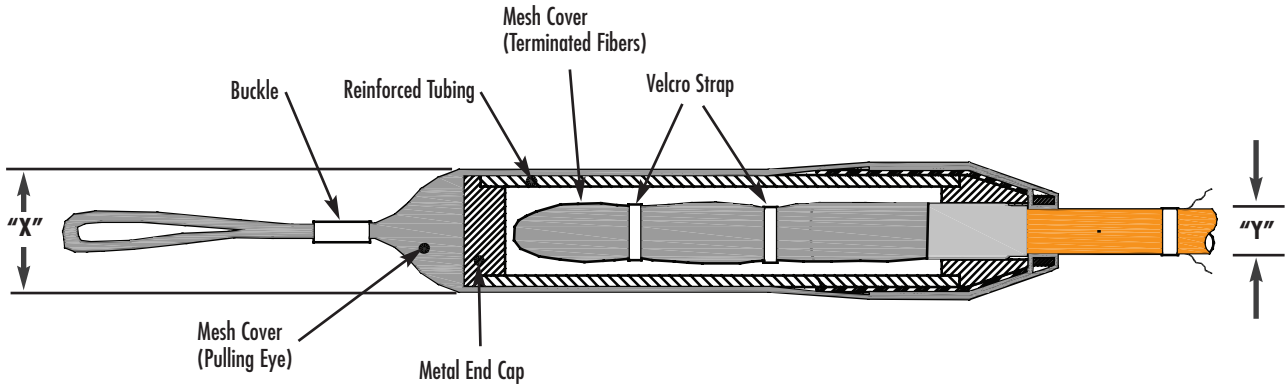
## Connectors – Optical Specifications

| Fiber Type           | Performance Class | Max Insertion Loss (dB) | Min Return Loss (dB) |
|----------------------|-------------------|-------------------------|----------------------|
| 62.5/125µm Multimode | LightSystem       | 0.65 (0.15 Typical)     | 25 (30 Typical)      |
| 50/125µm Multimode   | LightSystem       | 0.65 (0.15 Typical)     | 25 (30 Typical)      |
| 50/125µm Multimode   | XGLO              | 0.50 (0.10 Typical)     | 30 (35 Typical)      |
| Singlemode           | XGLO              | 0.40 (0.25 Typical)     | 55 (57 Typical)      |

## Connectors – Physical Specifications

| Connector Type | IEC Intermateability Compliance | TIA Intermateability Compliance | Housing Color |       | Boot Color |       |
|----------------|---------------------------------|---------------------------------|---------------|-------|------------|-------|
|                |                                 |                                 | SM            | MM    | SM         | MM    |
| MT-RJ          | IEC 61754-1                     | TIA/EIA-604-12                  | Black         | Black | Black      | Black |
| SC             | IEC 60874-14                    | TIA/EIA-604-3                   | Blue          | Beige | Blue       | Beige |
| ST             | IEC 60874-10                    | TIA/EIA-604-2                   | N/A           | N/A   | Blue       | Beige |
| LC             | IEC 61754-20                    | TIA/EIA-604-10                  | Blue          | Beige | White      | White |

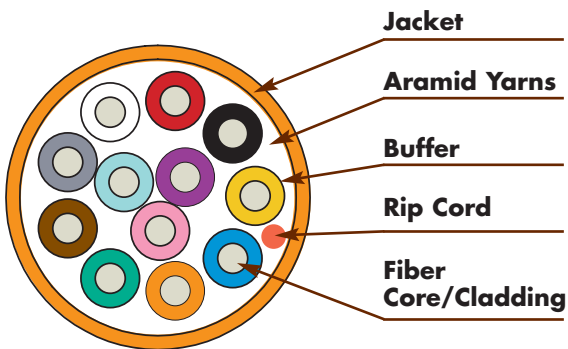
## Encapsulated Protection Sleeve



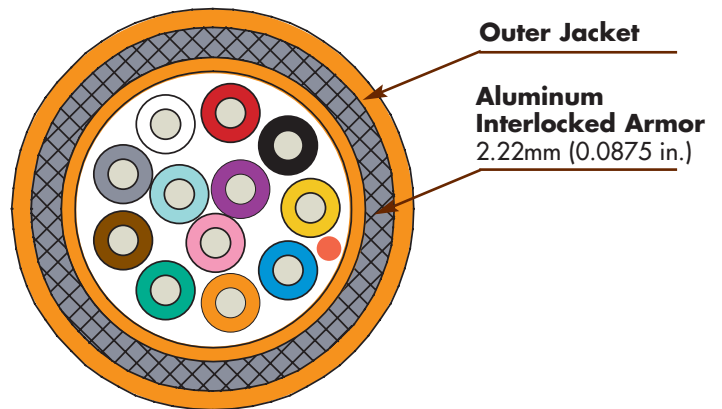
## Cable Diameters by Fiber Count

| Cable Type  | Fiber Strand Count | Sleeve Diameter "X" mm (in.) | Cable Diameter "Y" mm (in.) | Minimum Bend Radius mm (in.) | Required Duct Diameter mm (in.) | Maximum Pull Force kg (Pounds) |
|-------------|--------------------|------------------------------|-----------------------------|------------------------------|---------------------------------|--------------------------------|
| Non-Armored | 6                  | 44.5 (1.75)                  | 5.8 (0.23)                  | 381 (15)                     | 69.9 (2.75)                     | 45.4 (100)                     |
|             | 12                 | 44.5 (1.75)                  | 5.8 (0.23)                  | 381 (15)                     | 69.9 (2.75)                     | 45.4 (100)                     |
|             | 24                 | 44.5 (1.75)                  | 13.7 (0.54)                 | 381 (15)                     | 69.9 (2.75)                     | 45.4 (100)                     |
|             | 36                 | 63.5 (2.5)                   | 16.5 (0.65)                 | 914 (36)                     | 88.9 (3.5)                      | 45.4 (100)                     |
|             | 48                 | 63.5 (2.5)                   | 16.0 (0.63)                 | 914 (36)                     | 88.9 (3.5)                      | 45.4 (100)                     |
|             | 72                 | 63.5 (2.5)                   | 19.5 (0.77)                 | 914 (36)                     | 88.9 (3.5)                      | 45.4 (100)                     |
|             | 96                 | 88.9 (3.25)                  | 23.9 (0.94)                 | 914 (36)                     | 108.0 (4.25)                    | 45.4 (100)                     |
|             | 144                | 88.9 (3.25)                  | 27.9 (1.10)                 | 914 (36)                     | 108.0 (4.25)                    | 45.4 (100)                     |
| Armored     | 12                 | 44.5 (1.75)                  | 13.0 (0.51)                 | 914 (36)                     | 69.9 (2.75)                     | 45.4 (100)                     |
|             | 24                 | 44.5 (1.75)                  | 16.0 (0.63)                 | 914 (36)                     | 88.9 (3.5)                      | 45.4 (100)                     |
|             | 36                 | 63.5 (2.5)                   | 22.4 (0.88)                 | 914 (36)                     | 88.9 (3.5)                      | 45.4 (100)                     |

## Cable Construction (12-strand shown for reference purposes only):



Non-Armored

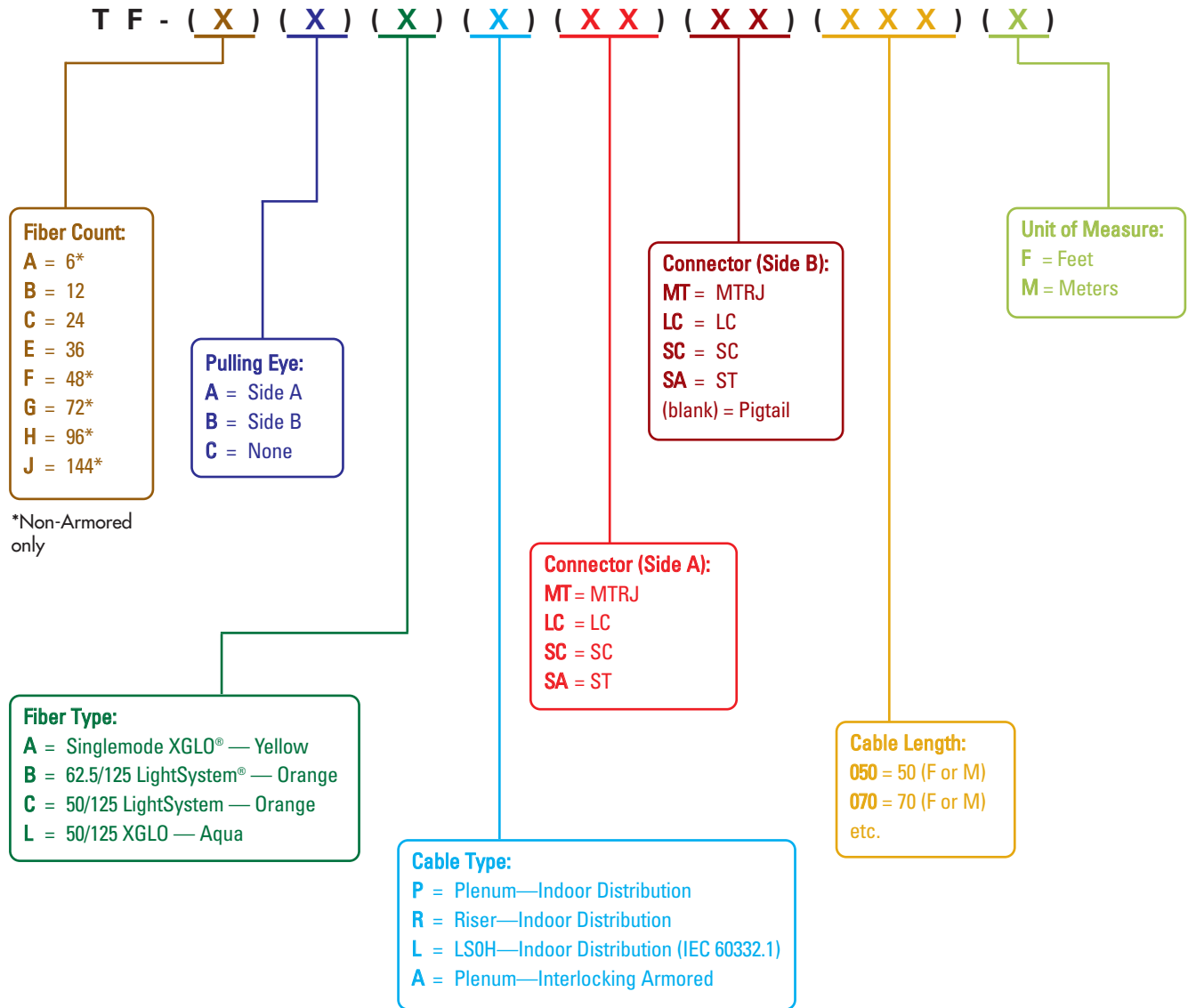


Armored

# ORDERING INFORMATION

FIBER PRODUCTS

## Fiber Trunk Cable Assembly



Example P/N: TF-BALPLCLC050M

Description: Fiber trunk, 12 Strand, Side A Pulling Eye, 50/125 XGLO, Plenum (Indoor Distribution), LC-to-LC, 50 meter length.

Some Siemon Fiber Trunk variations are subject to minimum order quantities. Contact our Customer Service Department for details. Custom assemblies are available upon request. Contact our Customer Service Department for more information.

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**The Americas**  
Watertown, CT USA  
Phone (1) 860 945 4200

**Europe/Middle East/Africa**  
Surrey, England  
Phone (44) 0 1932 571771

**Asia/Pacific**  
Shanghai, P.R. China  
Phone (86) 21 6390 6778

**Japan**  
Tokyo, Japan  
Phone (03) 5437 1580

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