

# Base-12 MTP®/MTP PRO to LC Trunks

Regional Availability - Global

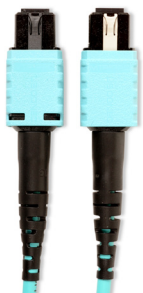
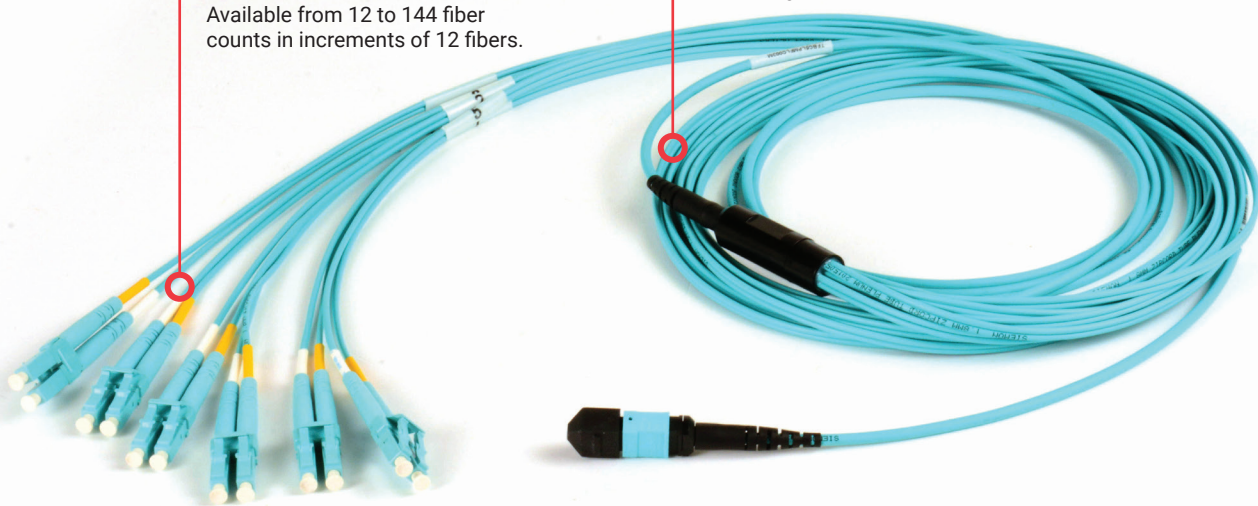
Utilizing high quality Siemon RazorCore™ cable, MTP to LC Trunks offer a connectivity transition from 12-fiber MTP or MTP PRO connectors to duplex LC connectors. These may be implemented using Siemon's MTP to MTP Adapter Plates to provide direct MTP to LC patching options over a wide range of distances and infrastructure configurations.

## Multiple Fiber Types

Available in Multimode (62.5/125 and laser optimised 50/125 OM3/OM4) and Singlemode.

## Custom Configurations

Available from 12 to 144 fiber counts in increments of 12 fibers.



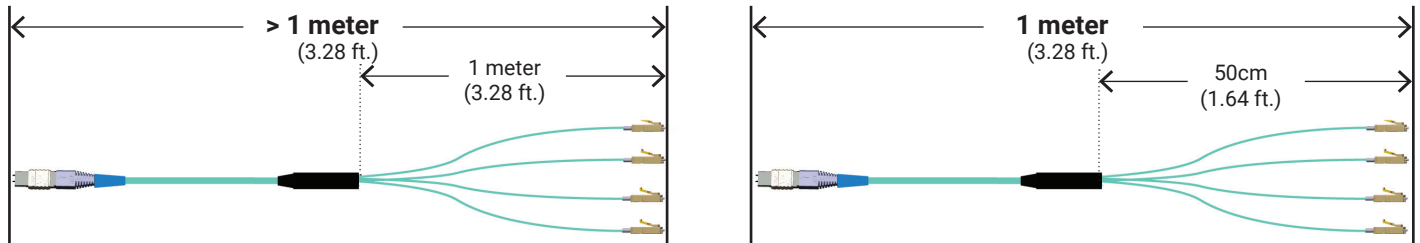
## MTP PRO Connector

The MTP Pro option enables quick and easy polarity and pin changes in the field using an innovative hand-held tool.

## Product Information

\* Minimum order length is 1 meter. Order length is measured connector tip to connector tip.  
Trunks greater than 1 meter (3.28 ft.) have breakout length of 1 meter. 1 meter trunks have a 50cm breakout length (See diagram below)

\*\* Only trunk lengths greater than 5 meters (16FT) come with a pulling eye



### Cable - Optical and Physical Specifications

| Cable Type                                | Multimode                               |                                    |                                    | Singlemode                 |
|-------------------------------------------|-----------------------------------------|------------------------------------|------------------------------------|----------------------------|
|                                           | LightSystem<br>62.5/125<br>(850/1300nm) | XGLO 50/125<br>OM3<br>(850/1300nm) | XGLO 50/125<br>OM4<br>(850/1300nm) | XGLO<br>(1310/1383/1550nm) |
| Fiber Cable Attenuation MAX (db/km)       | 3.5/1.0                                 | 3.0/1.0                            | 3.0/1.0                            | 0.4/0.4/0.3*               |
| LED Bandwidth, MIN (MHz/km)               | 200/500                                 | 1500/500                           | 3500/500                           | N/A                        |
| Effective Modal Bandwidth, MIN (MHz/km)   | N/A                                     | 2000                               | 4700                               | N/A                        |
| Cable Outer Jacket, Color (Per TIA-598-C) | Orange                                  | Aqua                               | Aqua                               | Yellow                     |

\* XGLO® Singlemode fiber meets low water peak specifications per ITU-T G.652.C

### CABLE – Optical and Physical Specifications (Nominal)

| Fiber Strand Count | Cable Diameter mm (in.) | Min Pulling Eye Bend Radius mm (in) | Max Pulling Eye Diameter mm (in) |             | *Required Duct Diameter mm (in) | Max Pull Force kg (lbs) |
|--------------------|-------------------------|-------------------------------------|----------------------------------|-------------|---------------------------------|-------------------------|
|                    |                         |                                     | MTP                              | LC/SC       |                                 |                         |
| 12                 | 3.0 (0.12)              | 380 (15)                            | 3.81 (1.5)                       | 44.5 (1.75) | 69.9 (2.75)                     | 18.1 (40)               |
| 24                 | 3.8 (0.15)              | 380 (15)                            | 3.81 (1.5)                       | 44.5 (1.75) | 69.9 (2.75)                     | 18.1 (40)               |
| 36                 | 8.7 (0.34)              | 380 (15)                            | 3.81 (1.5)                       | 63.5 (2.5)  | 69.9 (2.75)                     | 18.1 (40)               |
| 48                 | 8.7 (0.34)              | 915 (36)                            | 44.5 (1.75)                      | 63.5 (2.5)  | 88.9 (3.5)                      | 18.1 (40)               |
| 72                 | 9.4 (0.37)              | 915 (36)                            | 44.5 (1.75)                      | 63.5 (2.5)  | 88.9 (3.5)                      | 18.1 (40)               |
| 96                 | 13.2 (0.52)             | 915 (36)                            | 63.5 (2.5)                       | 82.6 (3.25) | 108.0 (4.25)                    | 18.1 (40)               |
| 144                | 13.2 (0.52)             | 915 (36)                            | 63.5 (2.5)                       | 82.6 (3.25) | 108.0 (4.25)                    | 18.1 (40)               |

\*Pulling eye assembly shall be capable of passing through these minimum duct diameter requirements during product installation.  
Pulling eye max pull force 18.1kg (40lbs)

## Product Information

### Connectors - Optical Specifications

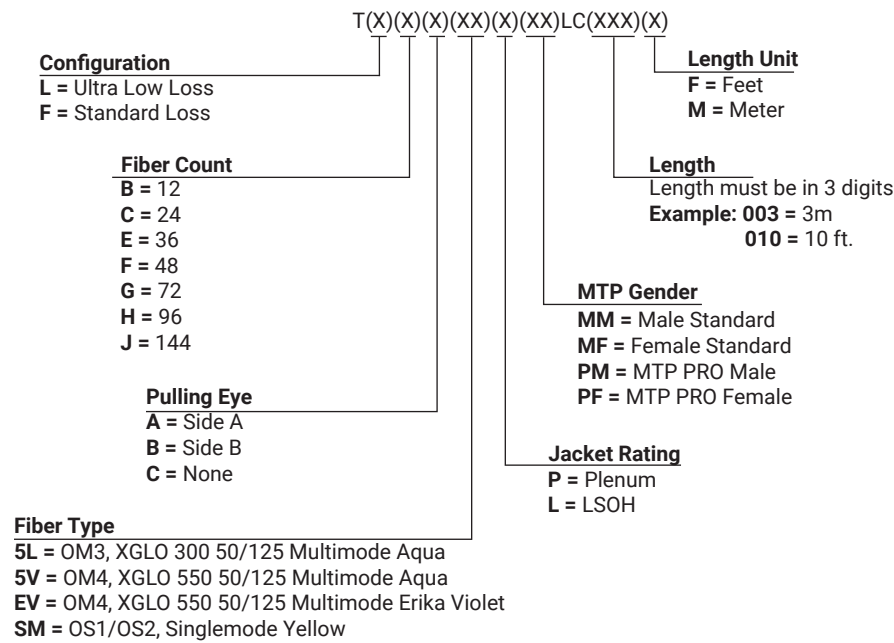
| Fiber Type                           | Performance Class       | MAX Insertion (db) |      | MAX Return Loss (db) |    |
|--------------------------------------|-------------------------|--------------------|------|----------------------|----|
|                                      |                         | MTP                | LC   | MTP                  | LC |
| Multimode OM3                        | XGLO 300                | 0.4                | 0.25 | 20                   | 30 |
| Multimode OM4                        | XGLO 550                | 0.4                | 0.25 | 20                   | 30 |
| Singlemode OS2                       | XGLO                    | 0.6                | 0.4  | 60                   | 55 |
| Laser Optimized 50/125 Multimode OM3 | XGLO 300 Ultra Low Loss | 0.2                | 0.15 | 20                   | 30 |
| Laser Optimized 50/125 Multimode OM4 | XGLO 550 Ultra Low Loss | 0.2                | 0.15 | 20                   | 30 |
| Singlemode OS2                       | XGLO Ultra Low Loss     | 0.3                | 0.2  | 60                   | 55 |

### Connectors - Physical Specifications

| Connector Type | IEC Intermateability Compliance | TIA Intermateability Compliance | Housing Color |       |          |                  | Boot Color |       |          |                   |
|----------------|---------------------------------|---------------------------------|---------------|-------|----------|------------------|------------|-------|----------|-------------------|
|                |                                 |                                 | SM            | MM    | MM-5L/5V | Standard Loss SM | SM         | MM    | MM-5L/5V | Ultra Low Loss SM |
| MTP            | IEC 61754-7                     | TIA/EIA-604-5                   | Green         | Beige | Aqua     | Green            | Black      | Black | Black    | Yellow            |
| LC             | IEC 61754-20                    | TIA/EIA-604-10                  | Blue          | Beige | Aqua     | Black            | White      | White | Aqua     | Blue              |

# Ordering Information

## MTP to LC Trunk (distribution to breakout)



## MTP PRO Activation Tool and PIN Exchangers

| Part Number  | Description                                                  |
|--------------|--------------------------------------------------------------|
| FT-MP-AT     | Field Termination, MTP PRO, Activation Tool                  |
| FT-MP-PE-SME | Field Termination, MTP PRO, Pin Exchanger with SM Elite Pins |
| FT-MP-PE-MME | Field Termination, MTP PRO, Pin Exchanger with MM Elite Pins |



Because we continuously improve our products, Siemon reserves the right to change specifications and availability without prior notice.

|                                                                                   |                                            |                                                 |                                        |                                     |                                                              |
|-----------------------------------------------------------------------------------|--------------------------------------------|-------------------------------------------------|----------------------------------------|-------------------------------------|--------------------------------------------------------------|
| <b>North America</b><br>P: (1) 860 945 4200                                       | <b>Asia Pacific</b><br>P: (61) 2 8977 7500 | <b>Latin America</b><br>P: (571) 657 1950/51/52 | <b>Europe</b><br>P: (44) 0 1932 571771 | <b>China</b><br>P: (86) 215385 0303 | <b>India, Middle East &amp; Africa</b><br>P: (971) 4 3689743 |
| <b>Siemon Interconnect Solutions</b><br>P: (1) 860 945 4213<br>www.siemon.com/SIS |                                            | <b>Mexico</b><br>P: (521) 556 387 7708/09/10    |                                        |                                     |                                                              |