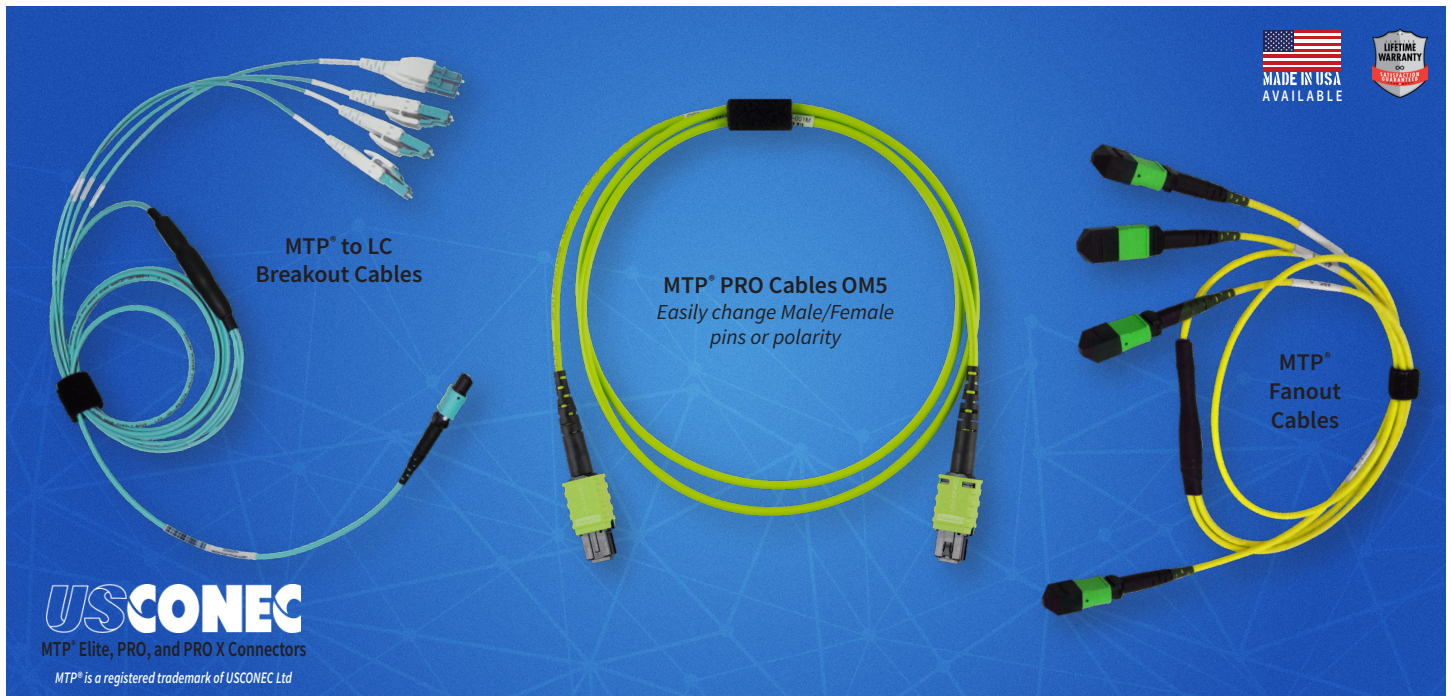


# MTP Fiber Patch Cables

With Genuine USConec MTP® Elite, PRO, and PRO X Connectors



## Mix and match connector and boot colors for highly flexible color-coding



### Industry Standard

Telcordia GR-326-CORE  
TIA/EIA-568-C.3  
IEE802.3z



### Jackets

Riser (OFNR)  
Plenum (OFNP) *Standard*  
LSZH

### Jacket Sizes

2mm  
3mm

### Features

- MTP® Elite connectors used *Standard*
- Low insertion loss
- Low back reflection
- Customer-defined specification
- Every cable tested, report included
- Unique serial number and part number on each end of cable for easier installation and reorder
- Termination available to: MTP®/MPO, Universal LC Elite, LC Uniboot, SC Uniboot, LC, SC, FC, and ST
- Polish types: Singlemode APC, Multimode PC, and Multimode APC

- Fiber Types: **BIF** (High bend radius)  
BEND INSENSITIVE FIBER  
> Corning Clearcurve 50/125 OM3  
> Corning Clearcurve 50/125 OM4  
> Corning Clearcurve 50/125 OM4+ (Purple)  
> Corning Clearcurve SMF-28e Ultra
- Batch testing by Dorc Machine
- Customization: Length, packaging, bar coding, labeling, stocking programs, color and style of cable
- Available as male (with alignment pins) or female (without alignment pins)

### Applications

Data Center • Telecommunications • Local Area Network • Fiber to the Home  
• Video Transmission • Fiber Optic Sensing • Test Instruments • CATV

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## PERFORMANCE SPECIFICATIONS

Fiber Type	MTP® Connectors			
	Ultra High Performance		Elite, PRO, and PRO X	
Polishing	SM (APC)	MM (PC)	SM (APC)	MM (PC)
Insertion Loss	< 0.25dB	< 0.25dB	< 0.35dB	< 0.35dB
Return Loss	± 0.55dB	± 0.60dB	± 0.55dB	± 0.60dB
Durability	> 500 Matings		> 500 Matings	
Core Diameter	9/125 µm	50/125 µm or 62.5/125 µm	9/125 µm	50/125 µm or 62.5/125 µm
Operating Temp.	Negative 20° C to Positive 70° C			
Storage Temp.	Negative 40° C to Positive 85° C			

## MTP® PRO AND PRO X



MTP® PRO Connector

- Enhanced performance and mating durability for long life
- Fully compatible with MTP® Elite and MPO connections



P/N: PRO-TOOL-18814

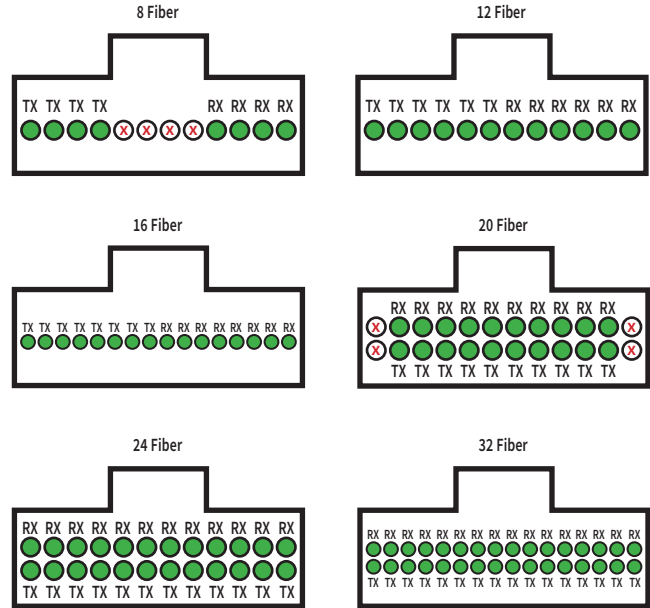
MTP® PRO Tool

- Ability to make polarity changes in the field without exposing fibers (A to B, B to A)
- Add or remove alignment pins with ease without removing the housing (Male to Female, Female to Male)

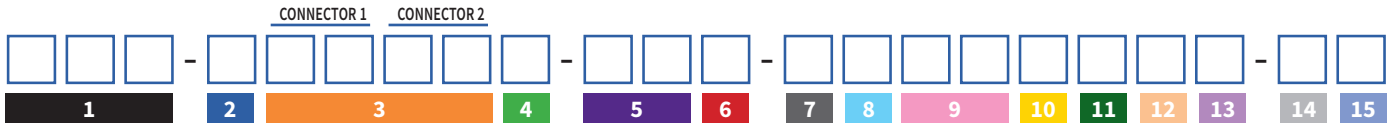


Multimode: Aqua with and without pins  
Singlemode: Yellow with and without pins

## MTP® APPLICATION PINOUTS



## ORDERING INFORMATION



- | <p><b>1 Cable Type</b></p> <p>8 Fibers in one MTP = M8<br/>12 Fibers in one MTP = M12<br/>16 Fibers in one MTP = M16<br/><i>(Single row)</i><br/>20 Fibers in one MTP = M20<br/>24 Fibers in one MTP = M24<br/>32 Fibers in one MTP = M32</p> | <p><b>2 Performance</b></p> <p>Ultra High = U<br/>Elite = Blank<br/>Standard = S</p> | <p><b>3 Connectors</b></p> <p>MTP Female = PF<br/>MTP Male = PM<br/>PRO Female = RF<br/>PRO Male = RM<br/>PRO X Female = XF<br/>PRO X Male = XM<br/>Multimode LC Duplex = L2<br/>Single Mode LC/UPC Duplex = LU2</p> | <p><b>4 MTP® Trigger Color</b></p> <p>Aqua = A <i>(Blank if OM3/OM4)</i><br/>Purple = V <i>(Blank if OM4+)</i><br/>Yellow = Y <i>(Blank if Singlemode)</i><br/>Beige = I<br/>Black = K<br/>Blue = B</p>  | <p><b>5 MTP® Boot Color</b></p> <p>Erika Violet = E<br/>Gray = G<br/>Green = N<br/>Magenta = M<br/>Orange = O<br/>Red = R</p> | <p><b>6 Pull Tab</b></p> <p>Pull tab = T<br/>No tab = Blank <i>(Standard)</i></p>                               |                          |             |                |              |                   |              |                 |              |                    |              |
|---|--|--|--|---|---|--------------------------|-------------|----------------|--------------|-------------------|--------------|-----------------|--------------|--------------------|--------------|
| <p><b>7 Fiber Type</b></p> <p>OM1 = 1<br/>OM2 = 2<br/>OM3 = 3<br/>OM4 = 4<br/>OM4+ = P<br/>SM = S</p>   | <p><b>8 Fire Rating</b></p> <p>Riser = R<br/>Plenum = P<br/>LSZH = L</p>             | <p><b>9 Cable Color</b></p> <p>Aqua (OM3, OM4) = Blank<br/>Purple (OM4+) = Blank<br/>Erika Violet = EV<br/>OM4 Purple = PR<br/>Red = RD<br/>Yellow (SM) = Blank</p>  | <p><b>10 Jacket Size</b></p> <p>3mm = Blank<br/>2mm = 2</p>  | <p><b>11 Breakout Length</b></p> <p>Always in feet (ex: 1.1.5.2)<br/>If both are MTP/MPO = blank</p>                          | <p><b>12 Polarity</b></p> <p>Method A (1 to 1) = A<br/>Method B (1 to 12) = Blank<br/>Method C (1 to 2) = C</p> |                          |             |                |              |                   |              |                 |              |                    |              |
| <p><b>13 U.S. Made</b></p> <p>US = U<br/>Other = Blank</p>  | <p><b>14 Length</b></p> <p>Use 3 digits<br/><i>(ex: 001, 01.5, 010)</i></p>          | <p><b>15 Unit of Measure</b></p> <p>Meters = M<br/>Feet = F</p>  | <p><b>MTP® PRO Pin Exchanges</b></p> <table border="1"> <thead> <tr> <th>Pin Exchange (out of 10)</th> <th>Part Number</th> </tr> </thead> <tbody> <tr> <td> Multimode Pins</td> <td>PRO-18842-10</td> </tr> <tr> <td> Multimode No Pins</td> <td>PRO-18256-10</td> </tr> <tr> <td> Singlemode Pins</td> <td>PRO-18843-10</td> </tr> <tr> <td> Singlemode No Pins</td> <td>PRO-18841-10</td> </tr> </tbody> </table> |   |   | Pin Exchange (out of 10) | Part Number | Multimode Pins | PRO-18842-10 | Multimode No Pins | PRO-18256-10 | Singlemode Pins | PRO-18843-10 | Singlemode No Pins | PRO-18841-10 |
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| Multimode Pins  | PRO-18842-10   |  |  |   |   |                          |             |                |              |                   |              |                 |              |                    |              |
| Multimode No Pins   | PRO-18256-10   |  |  |   |   |                          |             |                |              |                   |              |                 |              |                    |              |
| Singlemode Pins   | PRO-18843-10   |  |  |   |   |                          |             |                |              |                   |              |                 |              |                    |              |
| Singlemode No Pins  | PRO-18841-10   |  |  |   |   |                          |             |                |              |                   |              |                 |              |                    |              |



Push/Pull Tab Available  
MTP® Elite Only