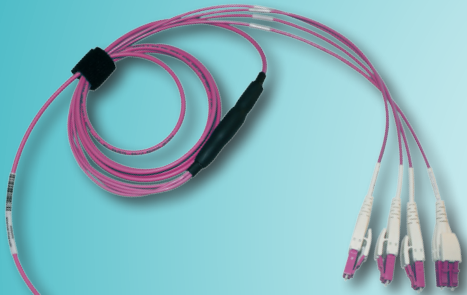


**TOTAL CABLE SOLUTIONS**

# MTP® CABLES

40/100/400G ARRAY AND PATCH CABLES



**Erika Violet MTP® Cables**  
40G to 10G  
Fanout/Harness Cable



**40G MTP® Cables**  
OM4 MTP® Cable



**OM4+ Purple MTP® Cables**  
100G to 40G Fanout/Harness Cable



Made only with MTP® Elite from  
**USCONEC**

\*MTP is a registered trademark of USCONEC Lt

**AVAILABLE COLORS**



**PULL-TAB AVAILABLE**



**Industry Standard**  
Telcordia GR-326-CORE  
TIA/EIA-568-C.3  
IEE802.3z  
RoHs Compliant

**Jackets**  
Riser (OFNR)  
Plenum (OFNP) [TCS Standard]  
LSZH

**Jacket Sizes**  
2mm  
3mm

**Features**

- TCS Uses ONLY MTP Elite® Connectors from USConec, Lt
- 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
- Terminations - MTP® to: MTP®/MPO, Universal LC™, Universal LC Elite™, SC Uniboot, LC, SC, FC, ST, MTRJ, E2000, MU
- Polish Types: SM UPC, SM APC, and MM PC

- Fiber Types: BIF- Bend Insensitive Fiber (High Bend Radius)
  - > Plus Corning 62.5/125 OM1
  - > Corning Clearcurve 50/125 OM3
  - > Corning Clearcurve 50/125 OM4
  - > Corning Clearcurve 50/125 OM4+ (Purple)
  - > Corning Clearcurve SMF-28eXB/Ultra (G.657.A1)
- Batch testing by Dorc Machine
- Customization: Length, packaging, bar coding, labeling, stocking programs, color and style of cable
- Available with (Male) or without (female/standard) alignment pins

**Applications**

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

Performance Specifications									
Fiber Type	MTP® Connectors				Universal LC Elite™		SM (Non-MTP®)		MM (Non-MTP®)
	Ultra High Performance		Elite (MTP® Standard)						
Polishing	SM (APC)	MM (PC)	SM (APC)	MM (PC)	SM (UPC)	MM (PC)	UPC	APC	PC
Insertion Loss	< <b>0.25dB</b>	< <b>0.25dB</b>	< 0.35dB	< 0.35dB	< <b>0.15dB</b>	< <b>0.15dB</b>	< 0.25dB	< 0.25dB	< 0.25dB
Return Loss	± 0.55dB	±0.60dB	± 0.55dB	±0.60dB	≥50dB	≥25dB	± 0.55dB	±0.60dB	± 0.25dB
Durability	> 500 Matings		> 500 Matings		> 500 Matings		> 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	9/125 μm	50/125 μm or 62.5/125 μm	9/125 μm		50/125 μm or 62.5/125 μm
Operating Temperature	Negative 20° C to Positive 70° C								
Storage Temperature	Negative 40° C to Positive 85° C								

**DON'T FORGET TO CLEAN YOUR CABLES**



PN: FOC-MPO-P



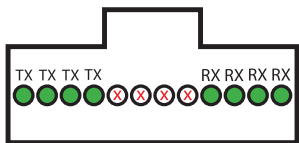
**DID YOU KNOW?**

Best practices are to clean EVERY cable before installation (including NEW CABLES). Removal of dust, oil, and other debris helps avoid nicking or scratching the end face before use of a fiber optic cable thereby extending the life of the cable.

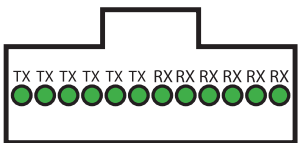
TCS MPO class cleaners will clean your MTP® cables 600+ times before disposal

**MTP® APPLICATION PINOUTS**

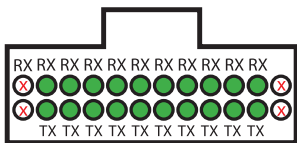
**QSFP/40G or QSFP28/100G**



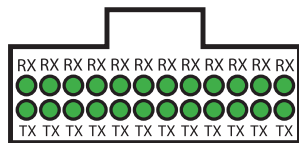
**12 FIBER MPO/MTP®**



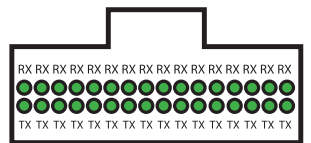
**CFP/100G**



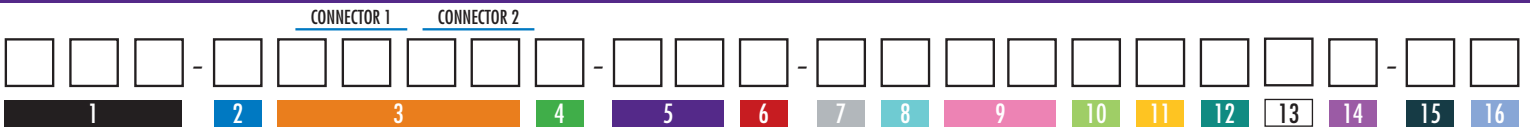
**24 FIBER MPO/MTP®**



**400GBASE-SR16**



**ORDERING INFORMATION**



**1 CABLE TYPE**

8 Fibers in one MTP = QSFP  
12 Fibers in one MTP = MPO  
20 Fibers in one MTP = CFP  
24 Fibers in one MTP = M24  
32 Fibers in one MTP = M32

**2 PERFORMANCE**

Ultra High = U  
Elite (Standard) = Blank

**3 CONNECTORS**

MTP Female = PF  
MTP Male = PM  
LC Duplex = L2  
Universal LC = UL  
Universal LC Elite = UE

**4 MTP® TRIGGER COLOR**

Aqua = A (Blank if OM3/OM4)  
Purple = V (Blank if OM4+)  
Yellow = Y (Blank if (Singlemode))  
Beige = I  
Black = K  
Blue = B

**5 MTP® BOOT COLOR**

Aqua = A  
Beige = I  
Black = Blank (Standard)  
Blue = B  
Brown = C  
Erika Violet = E  
Gray = G  
Green = N  
Lavender = L  
Magenta = M  
Orange = O  
Pink = P  
Purple = V  
Red = R  
Yellow = Y

**6 PULL TAB**

Pull tab = T  
No tab = Blank (Standard)

**7 FIBER TYPE**

OM1 = 1  
OM2 = 2  
OM3 = 3  
OM4 = 4  
OM4+ = P  
SM = S

**8 FIRE RATING**

Riser = R  
Plenum = P  
LSZH = L

**9 CABLE COLOR**

Aqua (OM3, OM4) = Blank  
Purple (OM4+) = Blank  
Erika Violet = EV  
OM4 Purple = PR  
Red = RD  
Yellow (SM) = Blank

**10 JACKET SIZE**

3mm = Blank  
2mm = 2

**11 TRIGGER COLOR**

If NO Universal LC Elite, leave blank  
Blue = B  
Aqua = A  
Purple = P

**12 BREAKOUT LENGTH**

Always in feet (example: 1, 1.5, 2)  
If both are MTP/MPO = Blank

**13 POLARITY**

Method A (1 to 1) = A  
Method B (1 to 12) = Blank  
Method C (1 to 2) = C

**14 US MADE**

US = U  
Other = Blank

**15 LENGTH**

Always use 3 digits  
(example: 001, 01.5, 010)

**16 UNIT OF MEASURE**

Meters = M  
Feet = F