

## MTP® Ruggedised Pigtails

MTP® pigtails with ruggedized 3/5mm cable construction that allows long pigtail lengths enabling the splice management to be located outside the patch panels. They feature colour coded fibres for easy identification. They are compatible with parallel optics protocols.

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### Features

- Multifiber MTP® connector interface
- Factory terminated and tested
- MTP® interface reduces front panel adaptor space
- Increased speed of installation
- Ruggedized pigtails allow for splicing to be done remotely from adaptor patch panel
- Next generation networks proof
- OS1/2, OM1, OM2, OM3, OM4 fibre grades available
- LSZH, OFNP, OFNR buffer
- Fibres are color coded as per IEC 60304 MTP® interface
- Ruggedized 5/3mm Micro Cable pigtail construction with 250µm fibres in 3mm tube

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### Applications

- Multi-fibre MTP® connector
- Available in OS1/2, OM1, OM2, OM3, OM4 fibre grades
- 100% Factory terminated and tested
- MPO/MTP interface reduces front panel adaptor space
- Reduced installation time
- Ruggedized cable construction with 250µm fibres
- Next generation networks proof
- Option for LSZH, OFNP, or OFNR buffer
- Colour coded fibre per IEC 60304 MPO/MTP interface

## Specifications

| ELEMENT                  | CHARACTERISTIC  |
|--------------------------|---|
| Fibre                    | OS1/OS2, G.657A1, OM1, OM2, OM3, OM4 (IEC 60793)  |
| MTP® Termination         | MTP® 12 Fibre Ferrules US Conec, <b>Boot Colour:</b> Black, <b>Body Sleeve Colour:</b> MM (Beige), MM Elite (Aqua), SM (Green), SM Elite (Yellow) |
| Cable Diameter           | 12 Core Double Jacket MicroCable Max OD 12 Core 4.5 ± 0.3mm, 12 Core Single Jacket MicroCable Max OD 12 Core 2.9 ± 0.1mm                          |
| Cable Tensile Strength   | Double Jacket MicroCable (12 Core) (Short/Long) 400N/150N, Single Jacket Micro Cable (12 Core) (Short/Long) 200N/60N                              |
| Cable Strength Member    | Aramid  |
| Storage Temperature      | -40 ~ +70°C   |
| Installation Temperature | -5 ~ +50°C  |
| Operating Temperature    | -20 ~ +60°C   |

## Connector Performance

| CONNECTOR MATING | IL AVERAGE | IL MAX | RETURN LOSS |
|------------------|------------|--------|-------------|
| MTP® Elite (MM)  | 0.10dB     | 0.35dB | N/A         |
| MTP® (MM)        | 0.20dB     | 0.60dB | N/A         |
| MTP® Elite (SM)  | 0.10dB     | 0.35dB | >60dB       |
| MTP® (SM)        | 0.25dB     | 0.75dB | >60dB       |

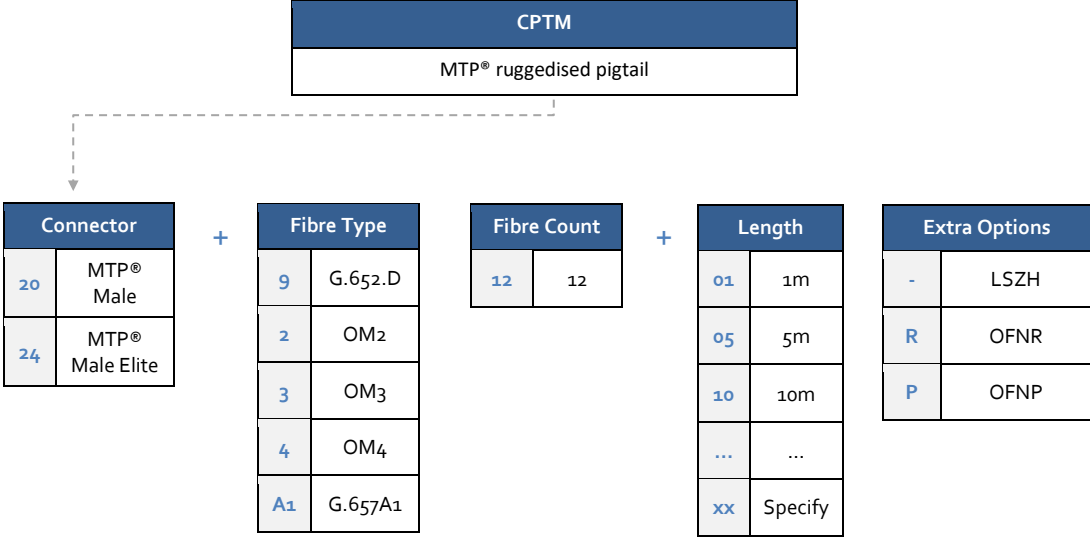
## Cable Performance

| FIBRETYPE (ISO/IEC 11801)                                   | OS1/OS2  | OM1  | OM2  | OM3  | OM4  |
|---|--|--|--|--|--|
| Attenuation Coefficient [dB/km]                             | ≤ 0.38 Max (1310nm)<br>≤ 0.25 Max (1550nm)<br>≤ 0.34 Typ (1310nm)<br>≤ 0.19 Typ (1550nm) | ≤ 3.5 Max (850nm)<br>≤ 1.5 Max (1300nm)<br>≤ 2.9 Typ (850nm)<br>≤ 1.2 Typ (1300nm) | ≤ 3.5 Max (850nm)<br>≤ 1.5 Max (1300nm)<br>≤ 2.7 Typ (850nm)<br>≤ 0.9 Typ (1300nm) | ≤ 3.5 Max (850nm)<br>≤ 1.5 Max (1300nm)<br>≤ 2.7 Typ (850nm)<br>≤ 0.9 Typ (1300nm) | ≤ 3.5 Max (850nm)<br>≤ 1.5 Max (1300nm)<br>≤ 2.7 Typ (850nm)<br>≤ 0.9 Typ (1300nm) |
| Minimum Bandwidth: Overfilled Launch [Mhz-km]               | N/A  | ≥ 200 (850nm)<br>≥ 500 (1300nm)  | ≥ 500 (850nm)<br>≥ 500 (1300nm)  | ≥ 1500 (850nm)<br>≥ 500 (1300nm)   | ≥ 3500 (850nm)<br>≥ 500 (1300nm)   |
| Minimum Bandwidth: Laser Effective Modal Bandwidth [Mhz-km] | N/A  | N/A  | N/A  | ≥ 2000 (850nm)   | ≥ 4700 (850nm)   |

## Standards Compliance

- TIA/EIA-568-C.3 and ISO/IEC 11801
- IEC-61754-7 & EIA/TIA-604-5
- IEC 60332
- Compliant to Directive 2002/95/EC (RoHS) and REACH SvHC
- IEC-60793

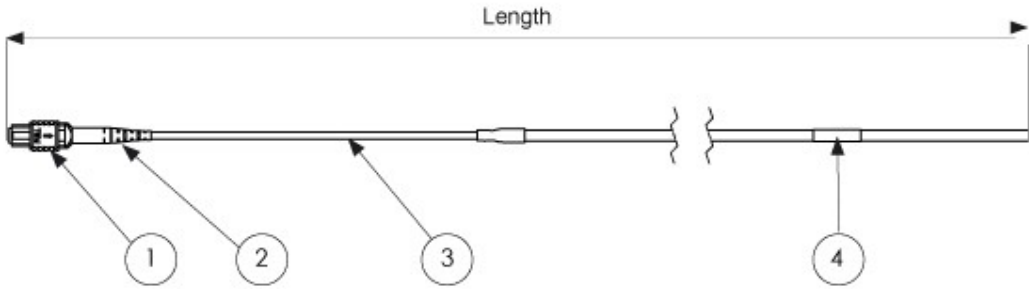
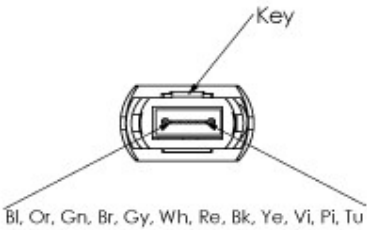
# Ordering Information



### Example:

CPTM-20312-05- MTP® male pigtail OM3 LSZH 3m

### Technical Drawing



- 1. MTP® Connector
- 2. MTP® Connector Boot
- 3. Fibre Optic Cable
- 4. Serial Number Label

MTP® is a registered trademark of US Conec Ltd.