

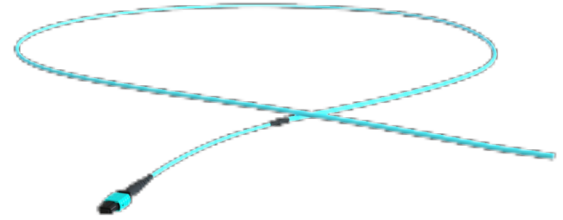
## MTP/MPO Ruggedised Pigtail

The MTP/MPO ruggedised pigtail enables rapid deployment of a high density backbone/horizontal cabling; this reduces installation time and cost.

The small footprint of the MTP/MPO interface simplifies and reduces the amount of front patch panel adaptor space compared to traditional discrete connectors. The ruggedised 5/3mm construction allows longer pigtail lengths enabling splice management to be located outside the patch panel racks.

These MTP pigtail assemblies feature colour coded fibres for easy splice identification.

The MTP/MPO interface is compatible with next generation networks and parallel optics protocols, making any network utilizing this product future proof.



### Features

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

### Applications

- Telecom and datacom application
- Patch panels, wall boxes, ODFs and splice cassettes
- Supports high speed multi channel video, data and voice services in metropolitan and access networks
- ATM, SONET and WDM, ETHERNET, Fibre CHANNEL

### Specification

ELEMENT	CHARACTERISTIC
Fibre	OS1/OS2, OM1, OM2, OM3, OM4 (ISO/IEC 60793)
Cable	Micro Cable - 12 cores (ISO/IEC 60794) <b>MAX OD:</b> Max OD 12 cores 4.5 ± 0.3mm <b>Jacket material:</b> LSZH (IEC 60332), OFNP (NFPA 262) Jacket color: Aqua (OM3), Erika Violet (OM4), Yellow (OS1/OS2), Orange (OM1, OM2)
Connectors	MTP® US Conec (IEC-61754-7 & EIA/TIA-604-5) <b>Boot Color:</b> Black / <b>Body Sleeve Color:</b> MM (Beige), MM Elite (Aqua), SM (Green), SM Elite (Yellow)
Operating Temperature	-20 ~ +60°C
Storage Temperature	-40 ~ +70°C

### Cable Performance

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

### Connector Performance

CONNECTOR MATING	IL AVERAGE	IL MAX	RETURN LOSS
MTP® Elite (MM)	0.10 dB	0.35 dB	NA
MTP® (MM)	0.20 dB	0.60 dB	NA
MTP® Elite (SM)	0.10dB	0.35dB	>60dB
MTP® (SM)	0.25dB	0.75dB	>60dB

## 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

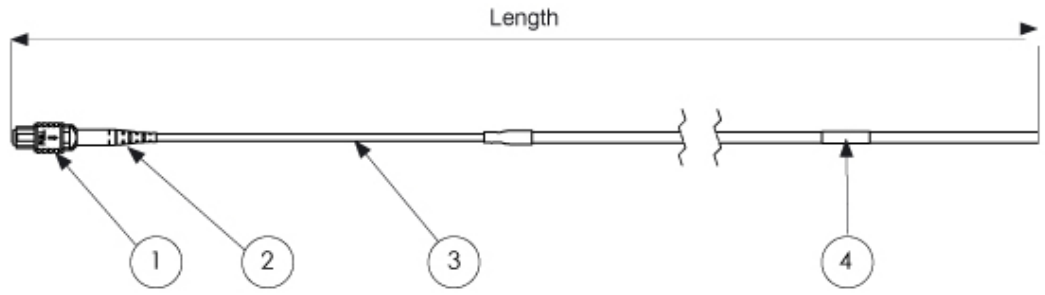
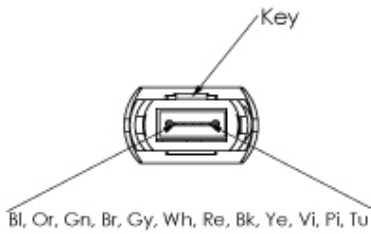
Connector type		Fibre Type		MC	Pigtail Length (m)		Jacket Type	
MTPM	MTP® Standard Male	09	OS1/OS2 G652D			1	1 metre	
MTPEM	MTP Elite® Male	7A1	G657A1		5	5 metre	PL	OFNP
		62	<b>G657A1</b>		10	10 metre	RI	OFNR
		50	OM2		xx	<i>Specify</i>		
		OM3	OM3					
		OM4	OM4					

## Example Part Number

MTPM	09	MC	3	
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This part number will configure a 3 metre singlemode OS1/2 G652D MTP® ruggedized pigtail with a standard MTP® male connector

## Technical Drawing



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