



## MTP® Outdoor Cable Assemblies

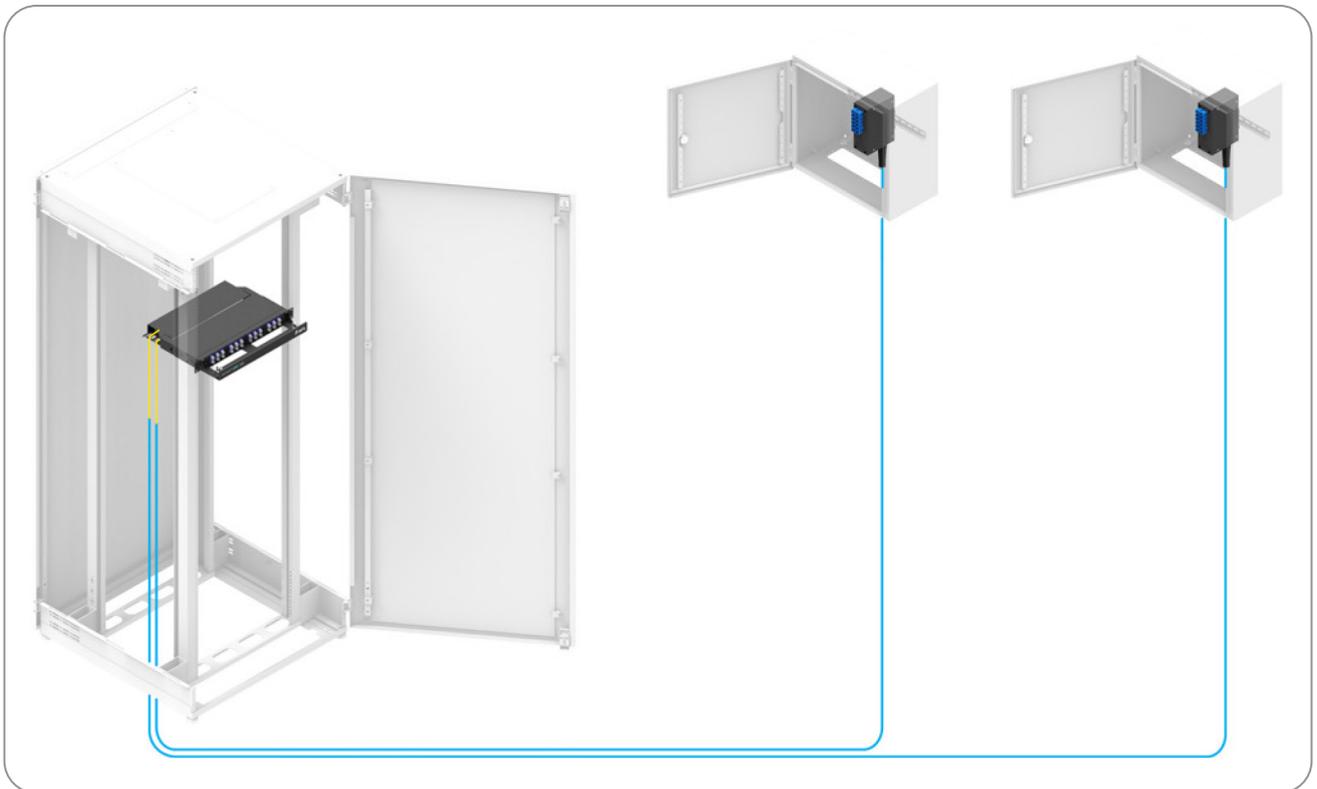
AFL MTP® Outdoor Cables offer a low loss plug and play solution for external applications. These cables are designed to meet the increasing demands of high bandwidth applications in outside plant environments while minimising network build times.

### Features

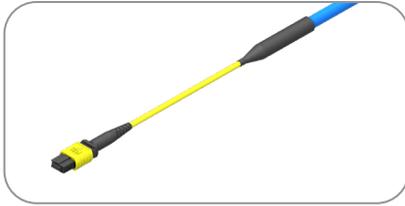
- Fully pre-terminated multi-fibre plug & play operation improves speed of network deployment
- Pigtail option to enable splicing into high core-count backbone
- A range of compact cable designs to allow ease of installation

### Applications

- Infrastructure, Industrial and Telecommunication outside plant
- Lead-in and drop cable customer connections
- Campus interconnect
- External cabinet connectivity feed-in

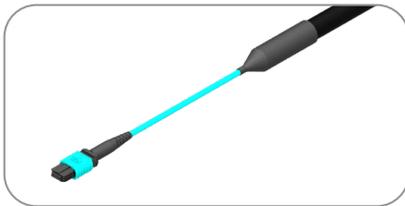


## MTP® Outdoor Cable Assemblies



### Cable Options

**Round Mini Underground** – A termite resistant, axial loose tube non-metallic cable designed for use in conduits or direct buried applications.



**Armoured Round Mini Underground** – A termite resistant, UV stabilised, axial loose tube non-metallic cable designed for conduit or direct burial installations. An additional non-metallic armouring provides resistance to rodent attacks.

### Cable Characteristics

		ROUND MINI UNDERGROUND	ARMoured ROUND MINI UNDERGROUND
Diameter (mm)		6.5	11
Weight (kg/km)		33	100
Max Tensile Load (N)	Installation	900	1600
	Long Term	200	400
Crush Resistance (kN/100 mm)		1	2
Minimum Bend Radius (mm)	Installation	130	20 x OD
	Long Term	65	10 x OD
Outer Jacket Material		Nylon	Polyethylene
Operating Temperature (°C)		-40°C to +70°C	-40°C to +70°C
Outer Jacket Colour		Blue	Black

## MTP® Outdoor Cable Assemblies

### Connector Performance

MTP® ELITE	SINGLEMODE – YELLOW (TESTED AT 1310 nm AND 1550 nm)	MULTIMODE – AQUA (TESTED AT 850 nm)
Typical Insertion Loss	0.35 dB	0.35 dB
Typical Return Loss	>60 dB	>20 dB

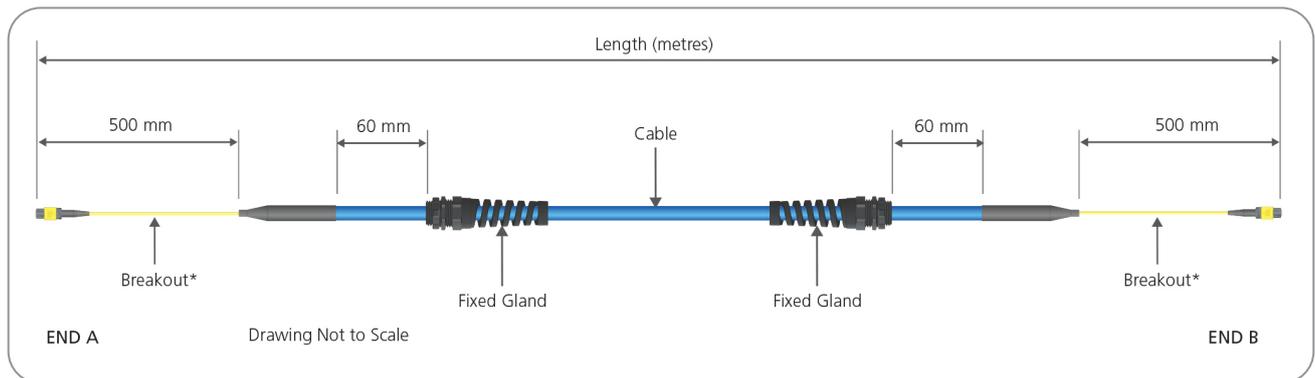
SC AND LC	SINGLEMODE UPC (TESTED AT 1310 nm AND 1550 nm)	SINGLEMODE APC (TESTED AT 1310 nm AND 1550 nm)	MULTIMODE (TESTED AT 850 nm)
Typical Insertion Loss	0.25 dB	0.25 dB	0.25 dB
Typical Return Loss	> 55 dB	>65 dB	-

MTP® Connectors comply with FOCIS 5 and the relevant subsets of IEC 61754-7.  
 AFL's MTP® Outdoor Cables comply with the connectivity methods and cable array types listed in TIA-568.3-D.

### MTP-MTP Outdoor Cable Assemblies

CABLE TYPE	FIBRE TYPE	PART NUMBER	CONNECTORS	POLARITY	FIBRE COUNT	INSTALLATION AID
Round Mini Underground	Singlemode G.657.A1	MT12 <b>F</b> 1RMU12 <b>Cxxx</b> YL10 <b>3</b>	MTP 12 Fibre Female	C	12	Cable gland on both terminated ends
	Multimode OM4	MT12 <b>F</b> 4RMU12 <b>Cxxx</b> AQ10 <b>3</b>				
Armoured Round Mini Underground	Singlemode G.657.A1	MT12 <b>F</b> 1RUA12 <b>Cxxx</b> YL10 <b>3</b>				
	Multimode OM4	MT12 <b>F</b> 4RUA12 <b>Cxxx</b> AQ10 <b>3</b>				

**F** – MTP Female, **M** – MTP Male  
**C** – Polarity Type C, **A** – Polarity Type A, **B** – Polarity Type B  
**xxx** –replace with length in metres  
**3** –Cable Gland on both terminated ends. **7** – Installation Aid on End A, Gland on End B.  
 Assemblies 30 m or longer recommended to be supplied on reel.



\*Breakout should be protected within suitable housing.

## MTP® Outdoor Cable Assemblies

### MTP Hybrid Outdoor Cable Assemblies

CABLE TYPE	FIBRE TYPE	PART NUMBER	CONNECTORS	POLARITY	FIBRE COUNT	INSTALLATION AID
Round Mini Underground	Singlemode G.657.A1	MT12 <b>F</b> 1RMU12 <b>LC</b> xxx <b>YL</b> 10 <b>3</b>	MTP 12 Fibre Female	LC Duplex	12	Cable gland on both terminated ends
	Multimode OM4	MT12 <b>F</b> 4RMU12 <b>LC</b> xxx <b>AQ</b> 10 <b>3</b>				
Armoured Round Mini Underground	Singlemode G.657.A1	MT12 <b>F</b> 1RUA12 <b>LC</b> xxx <b>YL</b> 10 <b>3</b>				
	Multimode OM4	MT12 <b>F</b> 4RUA12 <b>LC</b> xxx <b>AQ</b> 10 <b>3</b>				

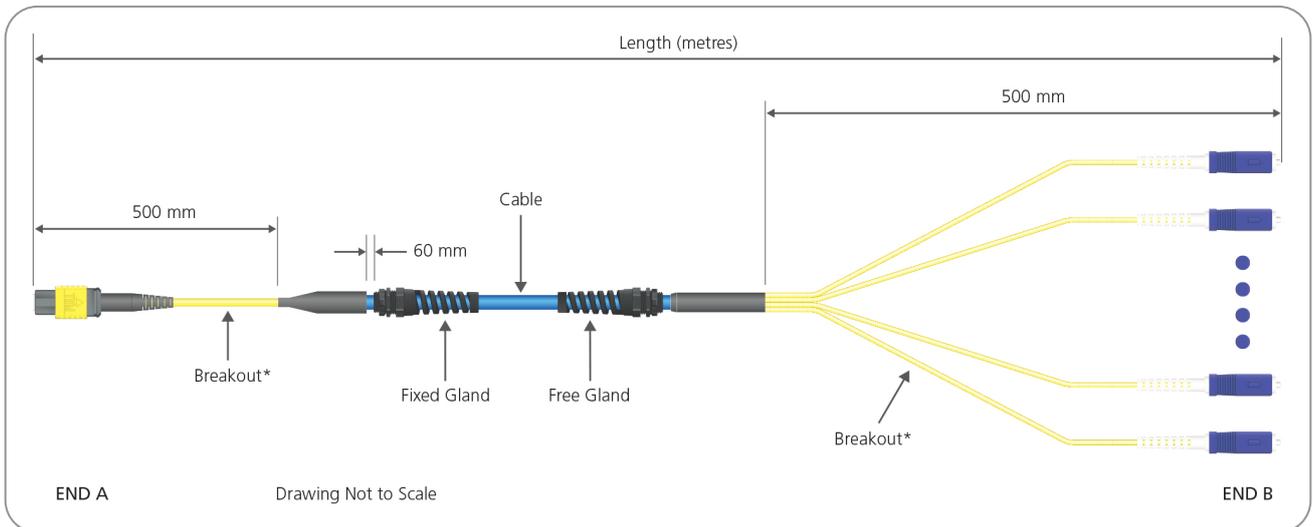
**F** – MTP Female, **M** – MTP Male

**LC** – LC Duplex, **SC** – SC Simplex

**xxx** –replace with length in metres

**3** –Cable Gland on both terminated ends. **7** – Installation Aid on End A, Gland on End B.

Assemblies 30 m or longer recommended to be supplied on reel.



\*Breakout should be protected within suitable housing.

### Installation Aid

Installation aid designed to protect MTP Connector during hand hauling installation.

Approximate outer diameter of Installation Aid is 30 mm.

Approximate outer diameter of gland is 28 mm.

