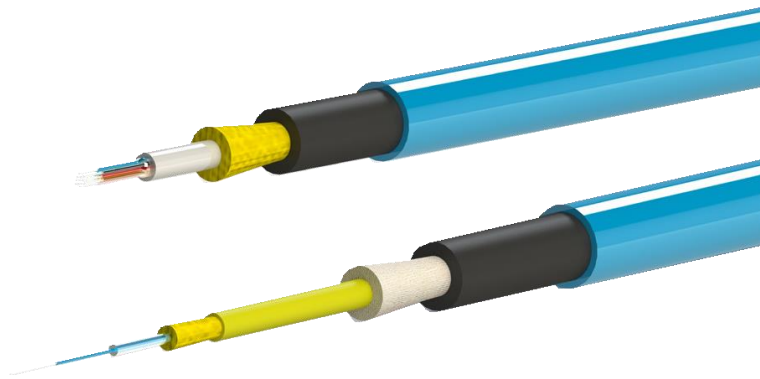


## Mini Loose Tube Drop Cable

Mini Loose Tube Drop Cables are perfectly suited for drop cable requirements in FTTx applications, or for external installation through limited space ducting or fibre tray.

These cables are available in a tight buffered single fibre variant for direct termination in GPON networks, or in a multi-fibre central tube design.

This range of cables is available in 1, 2, 6 & 12 fibre in bend tolerant ITU-T G657.A2 singlemode fibre - other fibre counts and modes are available for special order.



### Application

- Limited space underground ducts and conduit
- Inter-building links and residential facilities
- GPON Networks
- Fibre to the premises, node or building
- Termite or insect prone areas

### Features & Benefits

- Hard nylon outer jacket offers protection against termites and insects
- Glass roving yarns around tight buffered fibre provide deterrence to rodents<sup>a</sup>
- Fibre friendly thixotropic gel in the central tube ensures fibre protection<sup>b</sup>
- Aramid yarns give excellent protection and tensile strength around central tube<sup>b</sup>
- All dielectric, non-metallic construction
- Flexible buffer jacket/tube provide easy handling within termination enclosures
- Embedded fibreglass rod in inner jacket provides excellent tensile strength, rigidity and ability to feed through short conduit runs
- TIA 598 standard colour code

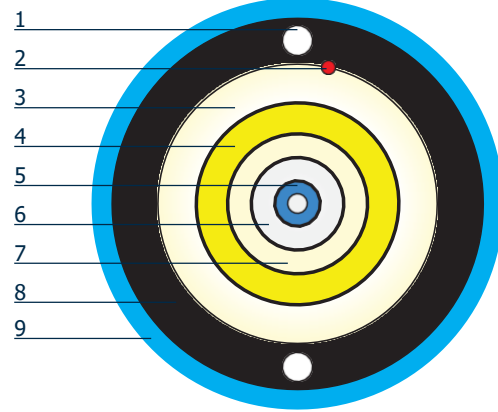
<sup>a</sup> 1F Tight buffered construction only  
<sup>b</sup> 2-12F Central tube construction only

# Mini Loose Tube Drop Cable

## Technical Specifications

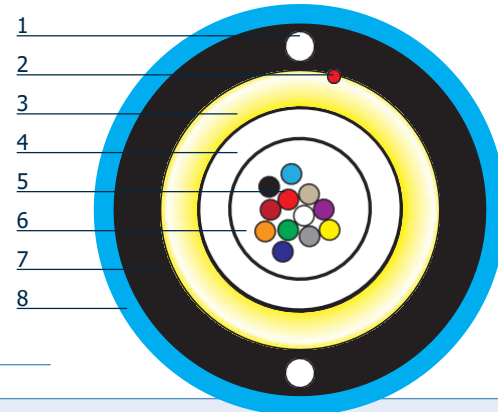
### Cable Construction - Single Fibre

Component	Material	Colour
1	Embedded FRP Rod	Natural
2	Ripcord	Red/white
3	Glass Roving Yarn	Natural
4	LSZH	Yellow
5	Silica Glass Fibre	Blue
6	Nylon Buffer	Clear
7	Aramid Yarn	Yellow
8	HDPE	Black
9	Nylon	Blue



### Cable Construction - 2~12 Fibre

Component	Material	Colour
1	Embedded FRP Rod	Natural
2	Ripcord	Red/white
3	Aramid Yarn	Yellow
4	PBTB Tube	White
5	Silica Glass Fibre	TIA 592 Colours
6	Thixotropic Jelly	Clear
7	HDPE	Black
8	Nylon	Blue



### Cable Characteristics

Core Count	1 - 12
Nominal Diameter (mm)	5.8
Nominal Weight (kg/km)	30

### Fibre Performance

#### G657.A2 Singlemode

Wavelength (nm)	1310	1550	1625
Attenuation (dB/km)	<0.34	<0.20	<0.22
Bandwidth (MHz km)	N/A	N/A	N/A

### Mechanical Testing

	Procedure	SM (1550nm)	Test Standard
Temperature Range	-20 °C ~ +70 °C	<0.05*	(IEC 60794-1-22-F1)
Cable Bend Radius	20 x Diameter	<0.05*	(IEC 60794-1-2-E11 A&B)
Tensile Force	1000 N	<0.05*	(IEC 60794-1-2-E1)
Impact resistance (Δ dB)	5 Nm	<0.05*	(IEC 60794-1-2-E4)
Crush resistance (Δ dB)	1000 N/100mm	<0.05*	(IEC 60794-1-2-E3)
Torsion resistance (Δ dB)	± 180° 10 cycles, 2m	<0.05*	(IEC 60794-1-2-E7)
Water Penetration	1m Head, 3m Cable Sample, 24 Hours	Nil Leakage	(IEC 60794-1-2-F5 B)

\*Measured after test