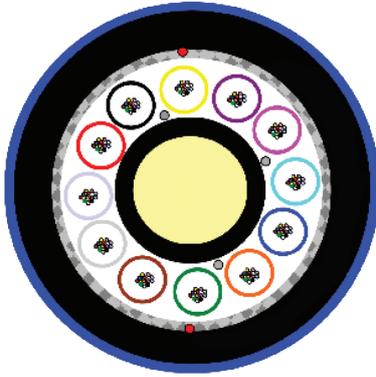


## External Underground Loose Tube Cable - Singlemode



### PRODUCT INFORMATION

A Termite resistant Loose tube cable featuring a non-metallic strength member, gel filled tubes and a dry block core, for use in both direct bury and conduit/duct applications.

The Thixotropic gel filled tubes and water swellable yarns (dry core) prevent water ingress while the non-metallic glass fibre reinforced plastic central strength member maintains excellent tensile strength.

This standard loose tube construction features an inner UV resistant Polyethylene (PE) sheath and an outer termite/UV resistant Polyamide Nylon jacket.

Other options include Composite (MM + SM), Sacrificial Sheath and CST Armour.

### FEATURES & BENEFITS

- Blue UV and Insect/Termite resistant Nylon (Polyamide) Jacket
- Black PE (Polyethylene) UV resistant Inner sheath
- Polyester based rip cords for easy sheath removal
- Water blocking tape and swellable yarns prevent ingress into the core
- Thixotropic gel filled tubes prevent water ingress into the tubes
- Non-metallic fibre reinforced plastic rod central strength member provides tensile strength

### PHYSICAL CHARACTERISTICS

Number of Fibres	2 to 72	96	120	144
Number of Fibres per Tube	up to 12			
Number of Elements	6	8	10	12
Tube/Filler Diameter (mm)	2.1			
Nominal Cable Diameter (mm)	10	11	12	14
Nominal Cable Weight (kg/km)	75	100	126	150
Max. Tensile Strength (kN)	2.0	2.4		
Max. Crush Resistance	1.0kN/100mm (Long Term)			
Min. Bending Radius	20 x cable OD Installation		15 x cable OD Long term	
Temperature Range (°C)	Storage: -20° to 70°C	Installation: 0° to 50°C	Operation: -10° to 70°C	
Central Strength Member	Glass Fibre Reinforced Plastic (GRP). Non-metallic			
Waterblocking	Thixotropic Gel filled tubes Water swellable elements (dry core)			
Outer Jacket	Material: UV stabilised Polyamide Nylon. Colour: Blue			
Inner Sheath	Material: UV stabilised Polyethylene. Colour: Black			

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### IDENTIFICATION

Fibre & Buffer Colour Code Chart

No.	1	2	3	4	5	6	7	8	9	10	11	12
Colour	blue	orange	green	brown	grey	white	red	black	yellow	violet	pink	aqua

Fillers are either natural (opaque) or black, jelly filled tubes (with no fibres) are also used.



### OPTICAL CHARACTERISTICS - SINGLEMODE LOW WATER PEAK

<b>Compliant with the following standards:</b>	AS/NZS 3080, ISO/IEC 11801, IEC 60793-2-50, ITU-T G652.D
<b>Optical Properties</b>	
<b>Fibre Type</b>	SM/OS2
<b>ITU-T Standard</b>	G.652.D
<b>Mode Field Diameter</b>	8.7 - 9.6µm @1310nm    9.8 - 10.9µm @1550nm
<b>Cladding Diameter</b>	125.0 +/- 0.7µm
<b>Buffer Diameter</b>	242 +/- 7µm
<b>Max. Attenuation of Cable</b>	
<b>@ 1310nm</b>	0.35dB/km
<b>@ 1383nm</b>	0.35dB/km
<b>@ 1550nm</b>	0.21dB/km
<b>@ 1625nm</b>	0.24dB/km

### ORDERING INFORMATION

Number of Cores	SM/OS2	Number of Cores	SM/OS2	Number of Cores	SM/OS2
4	CAB-LT-04-SM	24	CAB-LT-24-SM	72	CAB-LT-72-SM
6	CAB-LT-06-SM	36	CAB-LT-36-SM	96	CAB-LT-96-SM
8	CAB-LT-08-SM	48	CAB-LT-48-SM	120	CAB-LT-120-SM
12	CAB-LT-12-SM	60	CAB-LT-60-SM	144	CAB-LT-144-SM

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