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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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In support of our policy of continuous product improvement we reserve the right to change materials and specifications without notice. Drawings, where used, are not to scale. All dimensions are in millimetres and sizes given are approximate. Where possible, technical MSDS data sheets are made available on the website. All products should be installed and used in accordance with manufacturer's instructions provided. Warning: products may be the subject of registered designs and patents. Refer to website for terms and conditions on warranty.

T: 0800 77 69 69 | F: 0800 88 69 69 | E: sales@cabac.co.nz | W: cabac.co.nz

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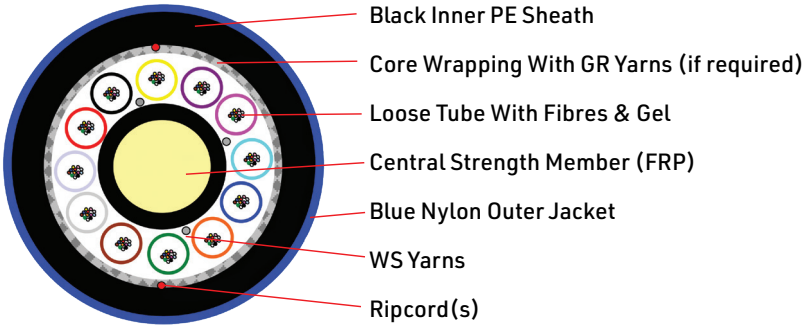
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IDENTIFICATION

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

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

ORDERING INFORMATION

Number of Cores	SM/OS2	Number of Cores	SM/OS2	Number of Cores	SM/OS2
6	CAB-LT-06-SM	36	CAB-LT-36-SM	96	CAB-LT-96-SM
12	CAB-LT-12-SM	48	CAB-LT-48-SM	144	CAB-LT-144-SM
24	CAB-LT-24-SM	72	CAB-LT-72-SM		

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