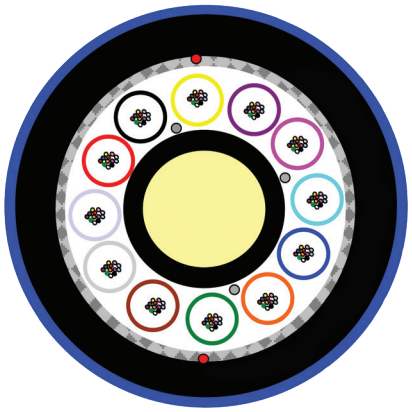
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DATASHEET

External Underground Loose Tube Cable - Multimode



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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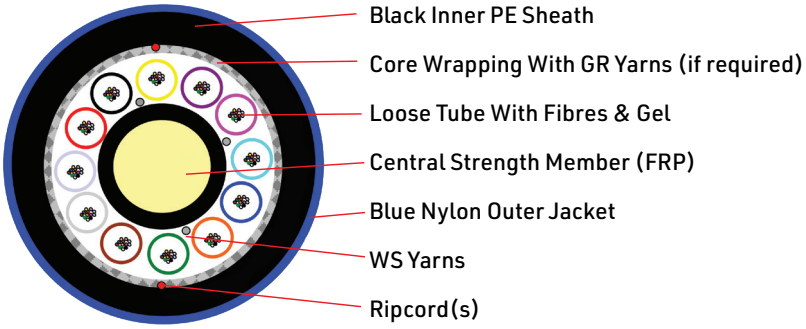
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IDENTIFICATION

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 - MULTIMODE GRADED INDEX

Compliant with the following standards:	AS/NZS 3080, ISO/IEC 11801, IEC 60793-2-10, ITU-T G.651.1		
Optical Properties			
Fibre Type	**OM1**	**OM3**	**OM4**
ITU-T Standard	N/A	G651.1	
Core Diameter	62.5um	50um	
Cladding Diameter	125um		
Buffer Diameter	250um		
Max. Attenuation of Cable			
@ 850nm	3.2dB/km	2.7dB/km	2.5dB/km
@ 1300nm	1.0dB/km	0.8dB/km	0.7dB/km

ORDERING INFORMATION

Number of Cores	OM1	OM3	OM4
4		CAB-LT-04-MM3	
6	CAB-LT-06-MM	CAB-LT-06-MM3	CAB-LT-06-MM4
12	CAB-LT-12-MM	CAB-LT-12-MM3	CAB-LT-12-MM4
24		CAB-LT-24-MM3	CAB-LT-24-MM4
36		CAB-LT-36-MM3	CAB-LT-36-MM4
48			CAB-LT-48-MM4

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