MSSf

External Underground Loose Tube Cable - Multimode

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Product Details:

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 and 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	2.1mm					
Nominal Cable Diameter	10mm	11mm	12mm	14mm		
Nominal Cable Weight	75kg/km	100kg/km	126kg/km	150kg/km		
Max. Tensile Strength	2.0kN	2.4kN				
Max. Crush Resistance	1.0kN/100mm (Long Term)					
Min. Bending Radius	20 x cable OD Installation 15 x cable OD Long term					
Temperature Range	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					

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

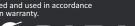
Fillers are either natural (opaque) or black, jelly filled tubes (with no fibres) are also used.



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.

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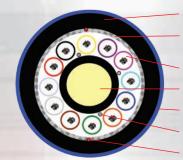
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Optical Characteristics - Multimode Graded Index:

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	50	lum			
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			



Black Inner PE Sheath

Core Wrapping With GR Yarns (if required) Loose Tube With Fibres & Gel Central Strength Member (FRP) Blue Nylon Outer Jacket WS Yarns

Ripcord(s)

Ordering Information:

Number of Cores	OM1	OM3	OM4
4	CAB-LT-04-MM	CAB-LT-04-MM3	CAB-LT-04-MM4
6	CAB-LT-06-MM	CAB-LT-06-MM3	CAB-LT-06-MM4
8	CAB-LT-08-MM	CAB-LT-08-MM3	CAB-LT-08-MM4
12	CAB-LT-12-MM	CAB-LT-12-MM3	CAB-LT-12-MM4
24	CAB-LT-24-MM	CAB-LT-24-MM3	CAB-LT-24-MM4
36	CAB-LT-36-MM	CAB-LT-36-MM3	CAB-LT-36-MM4
48	CAB-LT-48-MM	CAB-LT-48-MM3	CAB-LT-48-MM4



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