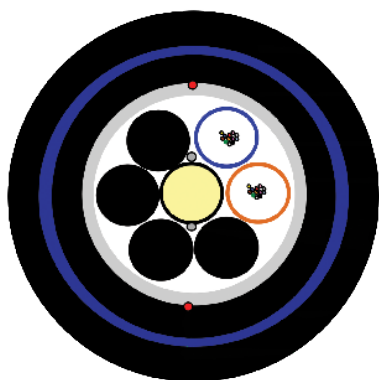


## Sacrificial Sheath Loose Tube Cable - Singlemode



### PRODUCT INFORMATION

A Termite resistant loose tube cable featuring a sacrificial jacket, 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 Sacrificial Sheath loose tube construction features an inner UV resistant Polyethylene (PE) sheath under a termite/insect resistant Polyamide Nylon jacket with an outer UV resistant Polyethylene (PE) sacrificial sheath.

Other options include standard loose tube, Composite (MM + SM) 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	144
Number of Fibres per Tube	up to 12		
Number of Elements	6	8	12
Tube/Filler Diameter (mm)	2.1		
Nominal Cable Diameter (mm)	12	14	16
Nominal Cable Weight (kg/km)	115	151	208
Max. Tensile Strength (kN)	2.0		
Max. Crush Resistance	1.0kN/100mm (Long Term)		
Min. Bending Radius	20 x cable OD Installation    10 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 Sac Sheath	Material: UV stabilised Polyethylene. Colour: Black		
Outer Jacket	Material: UV stabilised Polyamide Nylon. Colour: Blue		
Inner Sheath	Material: UV stabilised Polyethylene. Colour: Black		

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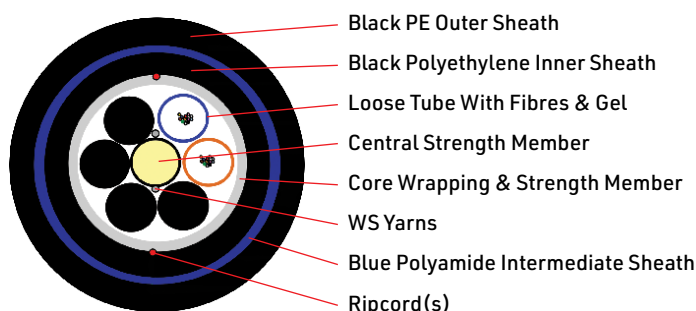
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### IDENTIFICATION

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, gel 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
4	CAB-LT-04-SMSS	36	CAB-LT-36-SMSS	96	CAB-LT-96-SMSS
6	CAB-LT-06-SMSS	48	CAB-LT-48-SMSS	120	CAB-LT-120-SMSS
12	CAB-LT-12-SMSS	60	CAB-LT-60-SMSS	144	CAB-LT-144-SMSS
24	CAB-LT-24-SMSS	72	CAB-LT-72-SMSS		

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