

Sacrificial Sheath Loose Tube Cable - Singlemode

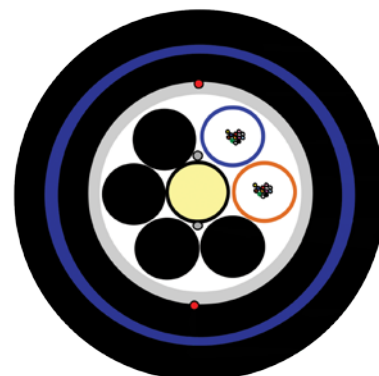
Product Details:

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 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	144
Number of Fibres per Tube	up to 12		
Number of Elements	6	8	12
Tube/Filler Diameter	2.1mm		
Nominal Cable Diameter	12mm	14mm	16mm
Nominal Cable Weight	115kg/km	151kg/km	208kg/km
Max. Tensile Strength	2.0kN		
Max. Crush Resistance	1.0kN/100mm (Long Term)		
Min. Bending Radius	20 x cable OD Installation	10 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 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		

Identification:

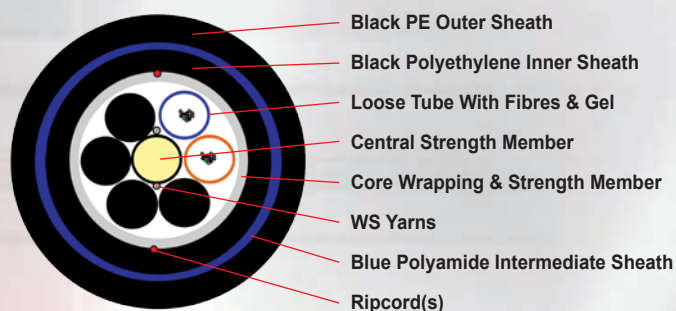
Fibre & Buffer Colour Code Chart

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 - 9.6µm @1310nm 9.8 - 10.9µm @1550nm
Cladding Diameter	125.0 +/- 0.7µm
Buffer Diameter	242 +/- 7µm
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
4	CAB-LT-04-SMSS
6	CAB-LT-06-SMSS
12	CAB-LT-12-SMSS
24	CAB-LT-24-SMSS
36	CAB-LT-36-SMSS
48	CAB-LT-48-SMSS
60	CAB-LT-60-SMSS
72	CAB-LT-72-SMSS
96	CAB-LT-96-SMSS
120	CAB-LT-120-SMSS
144	CAB-LT-144-SMSS