

CST Armoured LT Cable PE/CST/PE/Nylon - Multimode

Product Details:

A Rodent & Termite resistant loose tube cable featuring Corrugated Steel Tape Armour, 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 loose tube construction features an outer termite/UV resistant Polyamide Nylon jacket and rodent resistant Corrugated Steel Tape Armour.



Features and Benefits:

- CST Corrugated Steel Tape Armour (rodent resistant)
- Blue UV and Insect/Termite Resistant Nylon (Polyamide) Jacket
- Black PE (Polyethylene) 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	14mm	15 mm	18mm
Nominal Cable Weight	167kg/km	213kg/km	287kg/km
Max Tensile Strength	2.5kN		
Max Crush Resistance	3.0kN/100mm (Long Term)		
Min Bending Radius	30 x cable OD Installation 15 x cable OD Long term		
Temperature	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		
Armour	Corrugated steel tape (rodent protection)		
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.

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
6	CAB-LT-06-MMCST	CAB-LT-06-MM3CST	CAB-LT-06-MM4CST
12	CAB-LT-12-MMCST	CAB-LT-12-MM3CST	CAB-LT-12-MM4CST
24	CAB-LT-24-MMCST	CAB-LT-24-MM3CST	CAB-LT-24-MM4CST