

## 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:

<b>Number of Fibres</b>	<b>2 to 72</b>	<b>96</b>	<b>144</b>
<b>Number of Fibres per Tube</b>	up to 12		
<b>Number of Elements</b>	6	8	12
<b>Tube/Filler Diameter</b>	2.1mm		
<b>Nominal Cable Diameter</b>	14mm	15 mm	18mm
<b>Nominal Cable Weight</b>	167kg/km	213kg/km	287kg/km
<b>Max Tensile Strength</b>	2.5kN		
<b>Max Crush Resistance</b>	3.0kN/100mm (Long Term)		
<b>Min Bending Radius</b>	30 x cable OD Installation 15 x cable OD Long term		
<b>Temperature</b>	Storage: -20° to 70°C	Installation: 0° to 50°C	Operation: -10° to 70°C
<b>Central Strength Member</b>	Glass Fibre Reinforced Plastic (GRP). Non-metallic		
<b>Waterblocking</b>	Thixotropic Gel filled tubes Water swellable elements (dry core)		
<b>Outer Jacket</b>	Material: UV stabilised Polyamide Nylon. Colour: Blue		
<b>Inner Sheath</b>	Material: UV stabilised Polyethylene. Colour: Black		
<b>Armour</b>	Corrugated steel tape (rodent protection)		
<b>Inner Sheath</b>	Material: UV stabilised Polyethylene. Colour: Black		

### Identification:

#### Fibre & Buffer Colour Code Chart

<b>No.</b>	1	2	3	4	5	6	7	8	9	10	11	12
<b>Colour</b>	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:

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