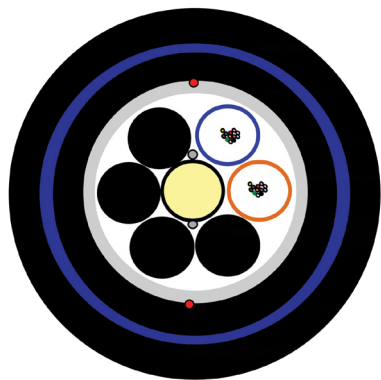


Sacrificial Sheath Loose Tube Cable - Multimode



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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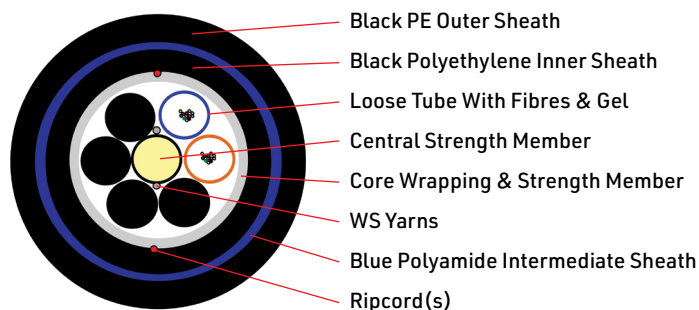
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IDENTIFICATION

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 - MULTIMODE GRADED INDEX

| | | | |
|---|--|----------|----------|
| Compliant with the following standards: | AS/NZS 3080, ISO/IEC 11801, IEC 60793-2-50, ITU-T G652.D | | |
| 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-MMSS | CAB-LT-06-MM3SS | CAB-LT-06-MM4SS |
| 12 | CAB-LT-12-MMSS | CAB-LT-12-MM3SS | CAB-LT-12-MM4SS |
| 24 | CAB-LT-24-MMSS | CAB-LT-24-MM3SS | CAB-LT-24-MM4SS |
| 48 | CAB-LT-48-MMSS | CAB-LT-48-MM3SS | CAB-LT-48-MM4SS |

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