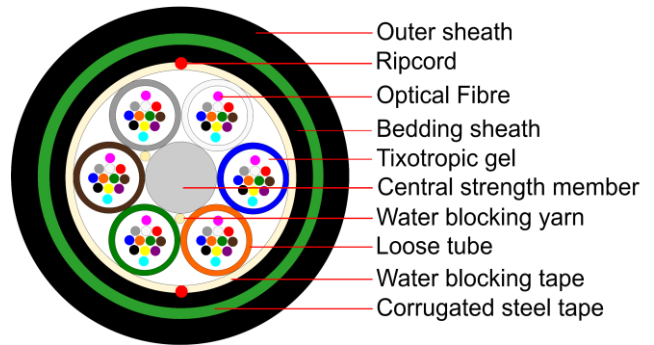


LIGHTspeed Cable Multi Mode Neo Heavy Duty Corrugated Steel Tape 4-12 Fibre

LIGHTspeed Neo Heavy Duty Corrugated Steel optic fibre is strengthened by a thicker Glass reinforced plastic (GRP) strength member, armoured with corrugated steel tape, suitable for a duct or direct buried application.

Features

- Thixotropic gel filled loose tubes protects fibre against expansion and contraction
- Optimised for 32 & 40mm sub-duct haul-in and direct burial installation
- Corrugated steel tape (CST) armouring
- Protection against abnormal crush and impact forces
- CST provides resistance to rodent attacks
- Excellent moisture and chemical barrier
- Polyethylene outer sheath contains carbon black for UV protection



Application

- Designed for long and short haul applications in harsh environments
- Suitable for duct and direct burial

Cable Structure

- GRP centre strength member
- Thixotropic jelly filled loose tube design
- Cable core sheathed with HDPE, two ripcords laid beneath the inner sheath
- Water blocking yarns and tape are applied for cable core water ingress protection
- Inner cable is longitudinally wrapped with Corrugated Steel Tape (CST) and over sheathed with Black HDPE

Cable Structure and Parameter

| Description | Unit | Value | | |
|--|---------|---------------------------------------|------|------|
| Fibre Core | | 4 | 8 | 12 |
| Tube diameter | mm | 2.1 | 2.1 | 2.1 |
| Fibre per tube | | 4 | 4 | 6 |
| Cable diameter | mm ±5% | 14.2 | 14.2 | 14.2 |
| Cable weight | Kg/km | 195 | 195 | 195 |
| Fibre type | | G651-OM2 | | |
| Installation tensile resistance | N | 1.2 x Cable Weight/Km (1200N Minimum) | | |
| Crush resistance | N | 4000 (IEC 60794-1-E3) | | |
| Life expectancy | | 25 Years | | |
| Bend radius for installation (Minimum) | Static | 20 x OD | | |
| | Dynamic | 20 x OD | | |
| Temperature Performance range | | -20°C to +70°C | | |

Characteristic of Optical Fibre

| Attenuation Limits for Individual Fibres | | |
|--|--------------------------------------|--------------|
| | Attenuation at 850nm | ≤ 2.3 dB/km |
| | Attenuation at 1300nm | ≤ 0.6 dB/km |
| Glass Geometry | | |
| | Core/Cladding Concentricity Error | ≤ 1.5 μm |
| Coating Geometry | | |
| | Coating diameter | 245 μm ±7 μm |
| | Coating/Cladding Concentricity Error | ≤ 10 μm |

Colour code for Fibre and Tube

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|------|--------|-------|-------|------|-------|-----|-------|--------|--------|------|------|
| Blue | Orange | Green | Brown | Grey | White | Red | Black | Yellow | Violet | Pink | Aqua |

Ordering Information

| Product Code | Description |
|-----------------|---|
| MEGALSCMSTAN004 | LIGHTspeed Cable Multi Mode Neo Heavy Duty Corrugated Steel Tape 4 Fibre |
| MEGALSCMSTAN008 | LIGHTspeed Cable Multi Mode Neo Heavy Duty Corrugated Steel Tape 8 Fibre |
| MEGALSCMSTAN012 | LIGHTspeed Cable Multi Mode Neo Heavy Duty Corrugated Steel Tape 12 Fibre |

V 2019/05

