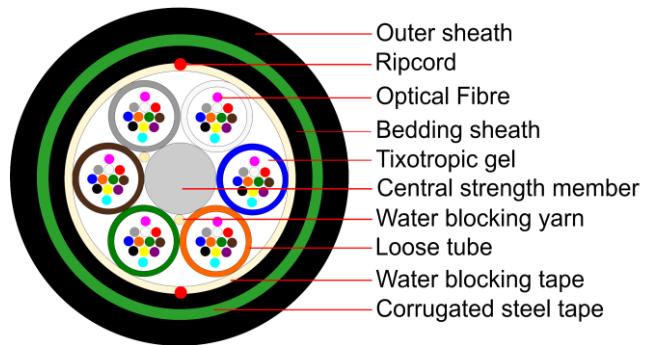


LIGHTspeed Cable Single Mode Neo Heavy Duty Corrugated Steel Tape 4-48 Fibre

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
- Single mode G657A1 optical fibre cores offers a cable that is 10 times less bend-sensitive



Application

- Designed for long and short haul applications in harsh environments
- Suitable for duct and direct burial
- G657A1 fibre is extremely important in FTTx network installations

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	24	48
Tube diameter	mm	2.1	2.1	2.1	2.1	2.4
Fibre per tube		4	4	6	6	12
Cable diameter	mm \pm 5%	14.2	14.2	14.2	14.2	15.2
Cable weight	Kg/km	195	195	195	195	225
Fibre type		G657A1				
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 1310nm	≤ 0.344 dB/km
	Attenuation at 1550nm	≤ 0.204 dB/km
	Attenuation at 1625nm	≤ 0.224 dB/km
Mode Field Diameter		
	1310nm	9.0 μm ±0.4 μm
	1550nm	10.1 μm ±0.5 μm
Glass Geometry		
	Core/Cladding Concentricity Error	≤ 0.5 μm
Coating Geometry		
	Coating diameter	242 μm ±7 μm
	Coating/Cladding Concentricity Error	≤ 12 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
MEGALSCSSTAN004	LIGHTspeed Cable Single Mode Neo Heavy Duty Corrugated Steel Tape 4 Fibre
MEGALSCSSTAN008	LIGHTspeed Cable Single Mode Neo Heavy Duty Corrugated Steel Tape 8 Fibre
MEGALSCSSTAN012	LIGHTspeed Cable Single Mode Neo Heavy Duty Corrugated Steel Tape 12 Fibre
MEGALSCSSTAN024	LIGHTspeed Cable Single Mode Neo Heavy Duty Corrugated Steel Tape 24 Fibre
MEGALSCSSTAN048	LIGHTspeed Cable Single Mode Neo Heavy Duty Corrugated Steel Tape 48 Fibre

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