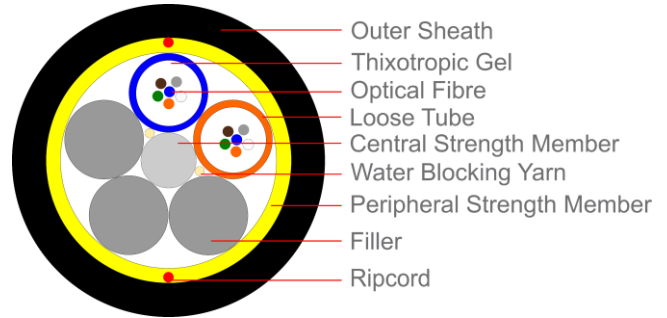


LIGHTspeed Cable Single Mode SSA & Duct 4 to 12 Fibre

LIGHTspeed SSA & Duct optic fibre cable is designed for self-support aerial and underground duct installations.

Features

- Thixotropic gel filled loose tubes protects fibre against expansion and contraction
- Water blocking yarns and / or tape are applied for cable core water ingress protection
- Aramid yarns stranded over the cable core for added tensile strength
- Optimised for 75m maximum span
- Polyethylene outer sheath contains carbon black for UV protection
- Non-metallic construction ensures lightning immunity



Application

- Optimized for self-support aerial and duct installation
- All dielectric structure suitable for installations on power cable transmission lines below 110KV and normal pole routes

Cable Structure

- GRP center strength member
- Thixotropic jelly filled loose tube design
- Water blocking yarns and / or tape
- Aramid yarns
- Two ripcords laid beneath the sheath
- Cable core sheathed with Black UV-Stabilized HDPE

Cable Structure and Parameter

Description	Unit	Value		
Fibre Count		4	8	12
Tube Diameter	mm	2.1	2.1	2.1
Fibre per Tube		4	4	6
Cable Diameter	mm ±5%	9.6	9.6	9.6
Cable Weight	Kg/km	75	75	75
Fibre Type		G657A1		
Maximum Installation Tensile Resistance		1470 N		
Maximum Installed Tensile Resistance		690 N		
Minimum Cable Sag		0.75m (1%)		
Crush Resistance	N/100mm	2000 (IEC 60794-1-E3)		
Life Expectancy		25 Years		
Maximum Span length		75 m		
Bend Radius for Installation (Minimum)		20 x OD		
Temperature Performance Range		-20°C to +70°C		

Characteristic of Optical Fibre

Attenuation Limits for Individual Fibres	
Attenuation at 1310nm	≤ 0.35 dB/km
Attenuation at 1550nm	≤ 0.21 dB/km
Attenuation at 1625nm	≤ 0.23 dB/km
Mode Field Diameter	
1310nm	9.1 μm ± 0.4 μm
1550nm	10.3 μm ± 0.5 μm
Glass Geometry	
Core/Cladding Concentricity Error	≤ 0.5 μm
Coating Geometry	
Coating diameter	240 μm ± 5 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
MEGALSCSAD004	LIGHTspeed Cable Single Mode SSADUCT 4 Fibre 9.6mm OD
MEGALSCSAD008	LIGHTspeed Cable Single Mode SSADUCT 8 Fibre 9.6mm OD
MEGALSCSAD012	LIGHTspeed Cable Single Mode SSADUCT 12 Fibre 9.6mm OD

V 2021/09