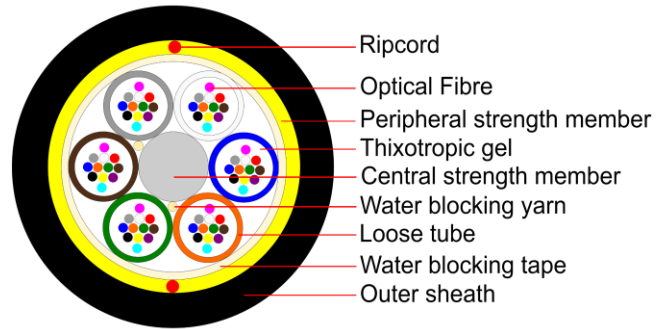


LIGHTspeed Cable Single Mode Short Span Aerial 4 to 144 Fibre

LIGHTspeed Short Span ADSS optic fibre is designed for self-support aerial installations with a maximum span of 75m.

Features

- Thixotropic gel filled loose tubes protects fibre against expansion and contraction
- Water blocking yarns and 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 installation
- All dielectric structure suitable for installations on power cable transmission lines below 110KV and normal pole routes

Cable Structure

- GRP centre strength member
- Thixotropic jelly filled loose tube design
- Water blocking yarns and 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	24	48	72	96	144
Tube Diameter	mm	2.1	2.1	2.1	2.1	2.4	2.4	2.4	2.4
Fibre per Tube		4	4	6	6	12	12	12	12
Cable Diameter	mm ±5%	9.6	9.6	9.6	9.6	10.4	11.2	12.8	15.8
Cable Weight	Kg/km	75	75	75	75	90	105	135	205
Fibre Type		G657A1							
Installation Tensile Resistance		2.0 x Cable Weight/Km (Zero percent fibre strain)							
Crush Resistance	N/100mm	2000 (IEC 60794-1-E3)							
Life Expectancy		25 Years							
Maximum Span length		75 m							
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	≤ 0.35 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
MEGALSCSASG004	LIGHTspeed Cable Single Mode Short Span Aerial 4 Fibre
MEGALSCSASG008	LIGHTspeed Cable Single Mode Short Span Aerial 8 Fibre
MEGALSCSASG012	LIGHTspeed Cable Single Mode Short Span Aerial 12 Fibre
MEGALSCSASG024	LIGHTspeed Cable Single Mode Short Span Aerial 24 Fibre
MEGALSCSASG048	LIGHTspeed Cable Single Mode Short Span Aerial 48 Fibre
MEGALSCSASG072	LIGHTspeed Cable Single Mode Short Span Aerial 72 Fibre
MEGALSCSASG096	LIGHTspeed Cable Single Mode Short Span Aerial 96 Fibre
MEGALSCSASG144	LIGHTspeed Cable Single Mode Short Span Aerial 144 Fibre

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