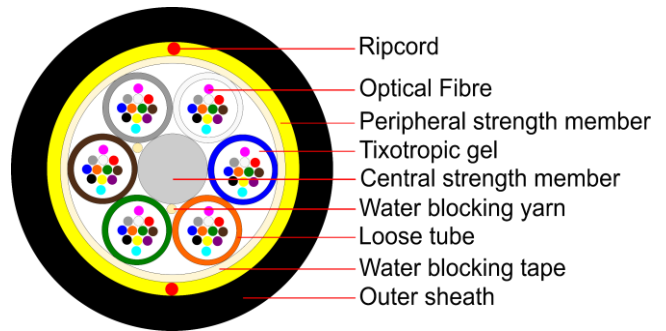


LIGHTspeed Cable Multi Mode Short Span Aerial 4 to 24 Fibre

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 Core		4	8	12	24
Tube diameter	mm	2.1	2.1	2.1	2.1
Fibre per tube		4	4	6	6
Cable diameter	mm ±5%	9.6	9.6	9.6	9.6
Cable weight	Kg/km	75	75	75	75
Fibre type		G651			
Installation tensile resistance	N	2.0 x Cable Weight/Km (Zero percent fibre strain)			
Crush resistance	N	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 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
MEGALSCMAS004	LIGHTspeed Cable Multi Mode Short Span Aerial 4 Fibre
MEGALSCMAS008	LIGHTspeed Cable Multi Mode Short Span Aerial 8 Fibre
MEGALSCMAS012	LIGHTspeed Cable Multi Mode Short Span Aerial 12 Fibre
MEGALSCMAS024	LIGHTspeed Cable Multi Mode Short Span Aerial 24 Fibre

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