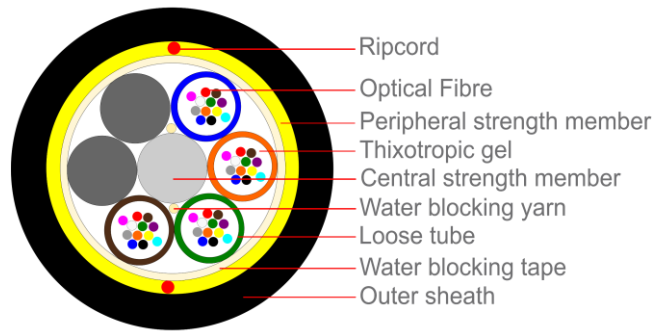


MEGANet Qs Cable Single Mode Short Span Aerial

The MEGANet Qs series short span aerial cables are all-dielectric, light weight and slim. Aramid yarn is used as a strength member and is suitable for span lengths of up to 75 meters.

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 are 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

- Optimised for self-support aerial installation
- All dielectric structure allows for installation on power cable transmission lines of up to 110KV

Cable Structure

- GRP center 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 Type		G657A1							
Fibre Count		18	24	36	48	72	96	144	288
Tube Diameter	mm	2.1	2.1	2.1	2.4	2.4	2.4	2.4	2.1
Number of Tubes		3	4	3	4	6	8	12	24
Fibre per Tube		6	6	12	12	12	12	12	12
Cable Diameter	mm ±5%	9.4	9.4	9.4	10.2	10.7	12.4	15.3	16.3
Cable Weight	Kg/km	65	65	67	76	88	116	181	208
Installation Tensile 0% Strain	N	900	900	900	1200	1400	1800	2000	2000
Tensile Strength ≤ 0.3% Strain	N	1500	1500	1500	1800	2000	2600	4000	4000
Rated Tensile Strength	N	2500	2500	2500	2800	3000	3500	6400	9500
Crush Resistance	N/100mm	2000							
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
Mode Field Diameter	
1310nm	9.0 μm ± 0.2 μm
Glass Geometry	
Cladding Diameter	125 ± 0.7 μm
Core/Cladding Concentricity Error	≤ 0.5 μm
Cladding Non-Circularity	≤ 0.7 %
Coating Geometry	
Coating diameter - Colored	250 ± 10 μm
Coating/Cladding Concentricity Error	≤ 12 μm

Color 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

Note: If the tube or fibre number is greater than 12, the above colors will be repeated with an additional black ring marking.

Ordering Information

Product Code	Description
A-BB41-B00850	MEGANet Qs Cable Single Mode Short Span Aerial 75m 18 Fibre 9.4mm
A-BB41-B00900	MEGANet Qs Cable Single Mode Short Span Aerial 75m 24 Fibre 9.4mm
A-BB41-B00950	MEGANet Qs Cable Single Mode Short Span Aerial 75m 36 Fibre 9.4mm
A-BB41-B01000	MEGANet Qs Cable Single Mode Short Span Aerial 75m 48 Fibre 10.2mm
A-BB41-B01050	MEGANet Qs Cable Single Mode Short Span Aerial 75m 72 Fibre 10.7mm
A-BB41-B01100	MEGANet Qs Cable Single Mode Short Span Aerial 75m 96 Fibre 12.4mm
A-BB41-B01150	MEGANet Qs Cable Single Mode Short Span Aerial 75m 144 Fibre 15.3mm
A-BB41-B01200	MEGANet Qs Cable Single Mode Short Span Aerial 75m 288 Fibre 16.3mm

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