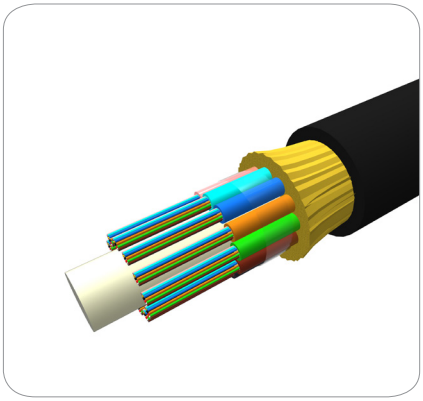


144 Fibre Mid Span ADSS Cable

Stranded ADSS cable comprising up to 144 optical fibres contained in jelly-filled loose tubes (up to 12 fibres per tube). The tubes and fillers are laid around a central strength member and contained within a dry, water blocked cable core which is reinforced with aramid yarn and sheathed with UV stable Polyethylene. Surface printing includes sequential length marking at one metre intervals.

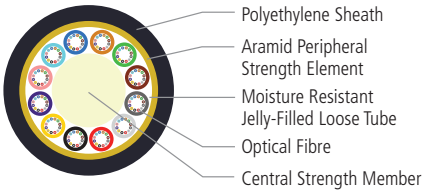
Part Number

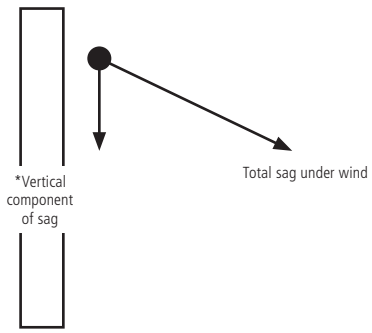
SMMC**LI†††BK

Applicable Specifications

AS/CA S008, AS 1049, AS/NZS 11801-1, TIA-598-D, IEC 60793, IEC 60794, ITU-T Recommendations

Cable Components





Applications

AFL all dielectric self-supporting cables are principally used for aerial installations - typically on roadside power distribution poles. Being totally non-metallic, it is ideal for applications in close proximity to power distribution lines.

It is also suitable for single point suspension applications such as, down mine shafts or where the cable has to support higher load by providing fixed/variable tensile strength along the outer sheath. UV stabilised outer sheath as per AS 1049. Standard pole-mounting hardware is also readily available for this product. Contact AFL for assistance with sag-tension calculations or other application support.

Physical Characteristics

SPECIFICATION	UNIT	VALUE
Nominal Tube Diameter	mm	2.7
Nominal Cable Diameter	mm	17.3
Nominal Weight	kg/km	240
Temperature Range	°C	-40 to 70
Max Allowable Load	kN	13
Zero Fibre Strain Limit	%	1
Min. Bending Radius - Under Load	mm	20 x OD
Min. Bending Radius - No Load	mm	10 x OD
Max. Crush Resistance	kN/100 mm	2
Effective Modulus	GPa	9
Effective Area	mm^2	170
CLTE	ppm/°C	12.6
MCBL - Max. Cable Breaking Load	kN	39

Stringing Examples

			CONDITIONS		
	UNITS	EDS	SEVERE 1	SEVERE 2	SEVERE 3
TEMP	°C	15	-10	-10	-10
WIND	m/s (km/hr)	0	150	150	130
ICE	mm	0	4	0	0
SPAN	m	150/200/300	150	200	300
SAG	M	2.88/3.98/9.0	7.33 (1.12*)	9.63 (1.02*)	16.09 (2.25*)
TENSION	kN	2.88	12.29	11.29	11.47
CABLE STRAIN	%	0.184	0.79	0.73	0.74

** Represents fibre type: 1D = SM G.652.D 'LWP'. Note: Other fibre types on request.

††† Represents any fibre-count up to 144.

Refer to OSP Cable - Optical Characteristics for further information.

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