

72 Fibre Long Span ADSS Cable

Up to 72 optical fibres (12F/tube) in jelly-filled loose tubes, laid up around a central non-metallic strength member, water blocked, sheathed, aramid yarn reinforced, and final polyethylene sheath. Surface printing includes sequential length marking at one metre intervals.

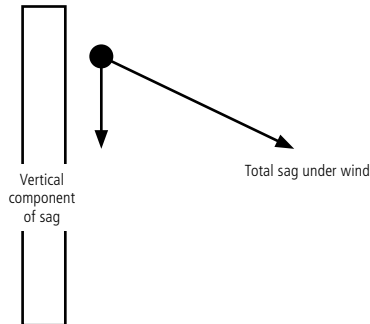
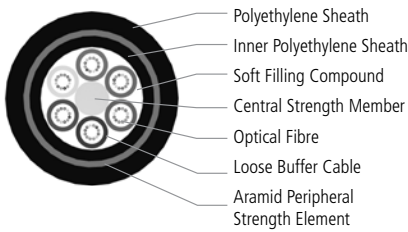
Part Number

SMJ6**LE0††BK

Applicable Specifications

AS/CA S-008, AS 1049, AS3080, IEC 60793 and IEC 60794

Cable Components



Applications

AFL all dielectric self-supporting cable 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, for which it has become a standard.

This product is also suited to single point suspension applications such as down mine shafts or any application where the product has to support either a higher load than conventional terrestrial cable or a permanent or varying tensile load, applied through the outer sheath. Standard pole-mounting hardware is 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	14.3
Nominal Weight	kg/km	156
Temperature Range	°C	-40 to 70
Max Allowable Load	kN	14
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	11.1
Effective Area	mm ²	125
CLTE	ppm/°C	6.8
MCBL	kN	34.9

Stringing Example

	UNITS	EDS	CONDITIONS		
			SEVERE 1	SEVERE 2	SEVERE 3
TEMP	°C	15	-10	0	0
WIND	(km/hr)	0	140	120	100
ICE	mm	0	0	2	0
SPAN	m	350/450/600	350	450	600
SAG	M	12.34/20.56/37.1	21.4 (2.07*)	31.4 (5.32*)	44.8 (8.39*)
TENSION	kN	1.9	11.2	12	8.18
CABLE STRAIN	%	0.14	0.81	0.87	0.6

** Represents fibre type: 1D = singlemode, 15 = G655, 53 = 50 um multimode (OM3), 55 = 50 um multimode (OM4), 62 = 62.5 um multimode (OM1)

†† Represents any fibre-count up to 72. Actual finished product may vary from illustration.