

48 Fibre Short Span ADSS Cable

Up to 48 optical fibres (12F/tube) in jelly-filled loose tubes, laid up around a central non-metallic strength member, water blocked, aramid yarn reinforced, and polyethylene sheathed. Surface printing includes sequential length marking at one-metre intervals.

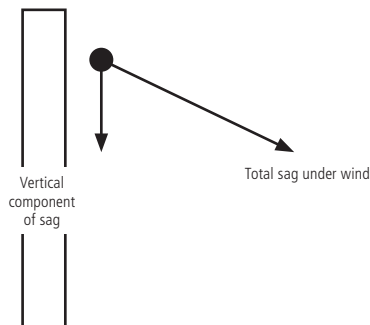
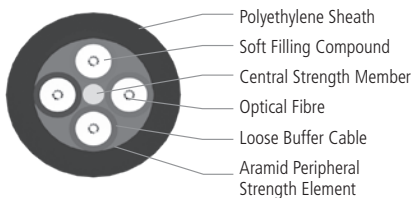
Part Number

SMM4**LB0††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	9.9
Nominal Weight	kg/km	69
Temperature Range	°C	-40 to 70
Max Allowable Load	kN	2
Zero Fibre Strain Limit	%	1.1
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	4.4
Effective Area	mm ²	51
CLTE	ppm/°C	29
MCBL	kN	5.7

Stringing Example

	UNITS	EDS	CONDITIONS		
			SEVERE 1	SEVERE 2	SEVERE 3
TEMP	°C	15	-10	0	0
WIND	km/hr	0	150	120	100
ICE	mm	0	2	2	0
SPAN	m	50/60/80	50	60	80
SAG	m	0.42/0.61/1.1	2.48 (.2*)	2.72 (.34*)	3.08 (.37*)
TENSION	kN	0.5	2.21	1.86	1.44
CABLE STRAIN	%	0.21	0.91	0.77	0.59

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

†† Represents any fibre-count up to 48. Actual finished product may vary from illustration.