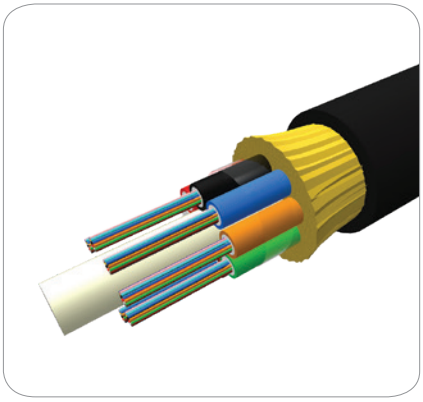


96 Fibre Mid Span ADSS Cable

Up to 96 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

SMM8**PE0††BK

Applicable Specifications

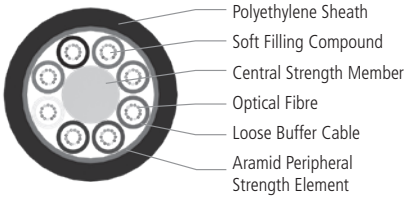
AS/CA S-008, AS 1049, AS3080, IEC 60793 and IEC 60794

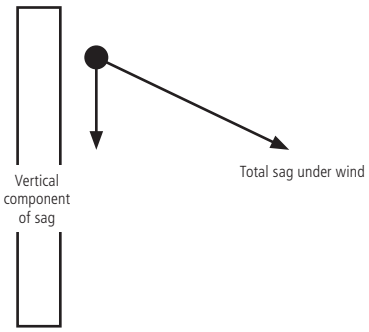
Applications

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.

Cable Components





Physical Characteristics

SPECIFICATION	UNIT	VALUE
Nominal Tube Diameter	mm	2
Nominal Cable Diameter	mm	11.3
Nominal Weight	kg/km	107
Temperature Range	°C	-40 to 70
Max Allowable Load	kN	10
Zero Fibre Strain Limit	%	0.54
Min Bending Radius - Under Load	mm	20 x OD
Min Bending Radius - No Load	mm	10 x OD
Max Crush Resistance	kN/100 mm	1.5
Effective Modulus	GPa	19
Effective Area	mm^2	75
CLTE	ppm/°C	3.3
MCBL	kN	36

Stringing Example

			CONDITIONS		
	UNITS	EDS	SEVERE 1	SEVERE 2	SEVERE 3
TEMP	°C	15	-10	0	0
WIND	m/s (km/hr)	0	150	120	100
ICE	mm	0	2	1	0
SPAN	m	100/200/300	100	200	300
SAG	M	.58/2.31/5.22	3.49 (.33*)	7.5 (.97*)	11.2 (1.78*)
TENSION	kN	2.2	6.9	7.18	6.44
CABLE STRAIN	%	0.15	0.48	0.5	0.44

** 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 96. Actual finished product may vary from illustration.

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