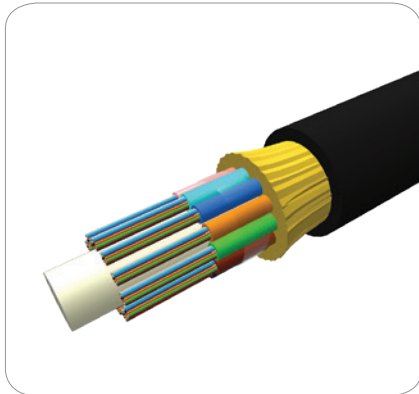




144 Fibre Short Span ADSS Cable

Up to 144 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.

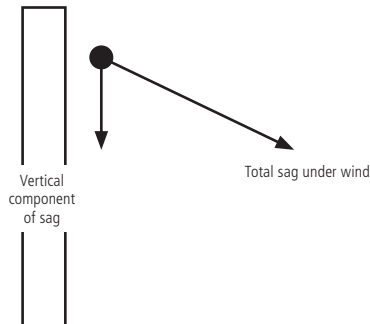
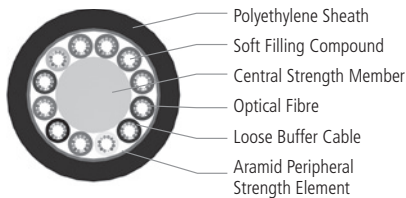
Part Number

SMMC**PA†BK

Applicable Specifications

AS/ACIF S-008, AS 1049, AS3080, IEC 60793, 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
Nominal Cable Diameter	mm	14
Nominal Weight	kg/km	150
Temperature Range	°C	-40 to 70
Max Allowable Load	kN	11
Zero Fibre Strain Limit	%	0.6
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	12
Effective Area	mm ²	119
CLTE	ppm/°C	8
MCBL	kN	35

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	4	2	0
SPAN	m	50/60/80	50	60	80
SAG	m	.42/.6/1.07	1.64 (.22*)	1.68 (.29*)	2.04 (.4*)
TENSION	kN	1.16	5.28	3.92	3.11
CABLE STRAIN	%	0.09	0.37	0.27	0.22

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