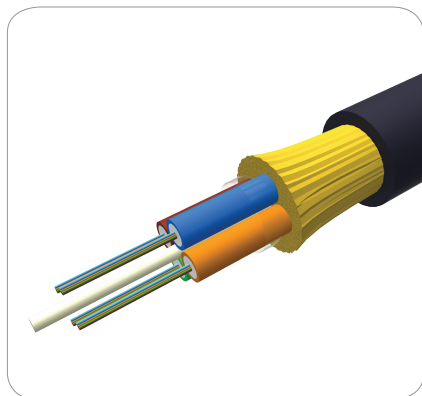




48 Fibre Short Span ADSS Cable

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.

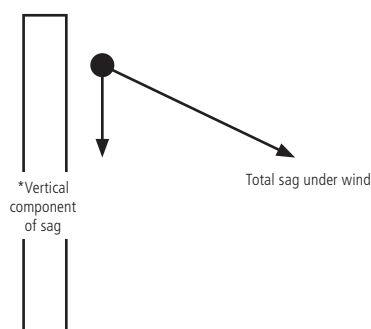
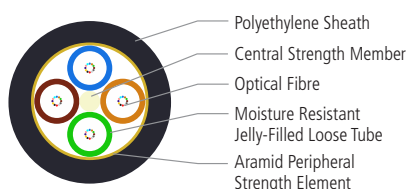
Part Number

S¥M4**LB0††BK

Applicable Specifications

AS/CA S-008, AS 1049, AS/NZS 11801.1, TIA-598-D, IEC 60793 and IEC 60794, ITU-T Rec. G.652.D

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, 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%
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	4.6
Effective Area	mm ²	52
CLTE	ppm/°C	28
MCBL	kN	6

Stringing Examples

	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	0	2	0
SPAN	m	50/60/80	50	60	80
SAG	m	0.25/0.36/0.64	1.95 (0.11*)	2.49 (0.31*)	2.70 (0.33*)
TENSION	kN	0.84	1.99	2.04	1.65
CABLE STRAIN	%	0.342	0.815	0.833	0.673

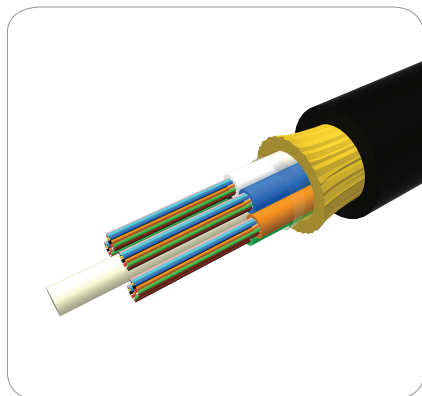
¥ Represents No. of fibres per tube: M = 12f/tube, K = 6f/tube

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

†† Represents any fibre-count up to 48.

Refer to OSP Cable - Optical Characteristics for further information.

Actual finished product may vary from illustration.



72 Fibre Short 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, aramid yarn reinforced, and polyethylene sheathed. Surface printing includes sequential length marking at one metre intervals.

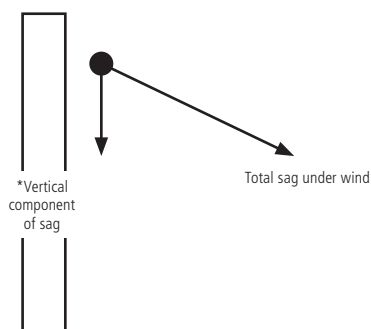
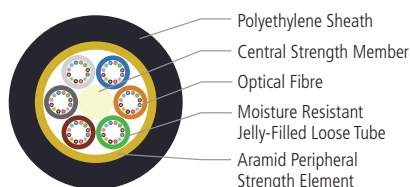
Part Number

SMM6**PA0††BK

Applicable Specifications

AS/CA S-008, AS 1049, AS/NZS 11801.1, TIA-598-D, IEC 60793 and IEC 60794, ITU-T Rec. G.652.D

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, 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	10.4
Nominal Weight	kg/km	85
Temperature Range	°C	-40 to 70
Max Allowable Load	kN	4
Zero Fibre Strain Limit	%	0.45
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	14.4
Effective Area	mm ²	65
CLTE	ppm/°C	5.0
MCBL	kN	23

Stringing Examples

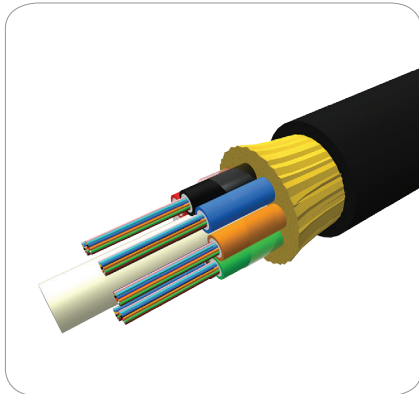
	UNITS	EDS	CONDITIONS		
			SEVERE 1	SEVERE 2	SEVERE 3
TEMP	°C	15	-10	0	0
WIND	km/hr	0	150	120	100
ICE	mm	0	4	2	0
SPAN	m	50/60/80	50	60	80
SAG	m	0.25/0.36/0.64	1.75 (0.20*)	1.72 (0.23*)	1.94 (0.27*)
TENSION	kN	1.01	4.12	3.03	2.39
CABLE STRAIN	%	0.11	0.44	0.33	0.26

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

†† Represents any fibre-count up to 72.

Refer to OSP Cable - Optical Characteristics for further information.

Actual finished product may vary from illustration.



96 Fibre Short 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.

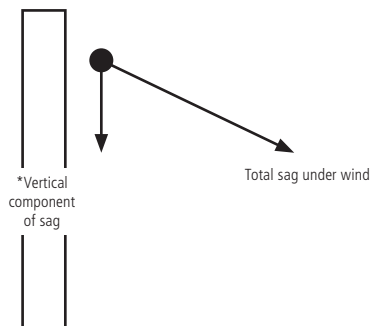
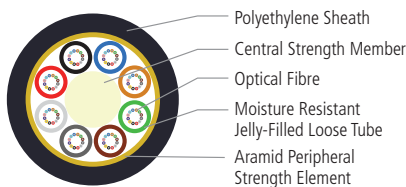
Part Number

SMM8**PA0††BK

Applicable Specifications

AS/CA S-008, AS 1049, AS/NZS 11801.1, TIA-598-D, IEC 60793 and IEC 60794, ITU-T Rec. G.652.D

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, 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	11.2
Nominal Weight	kg/km	106
Temperature Range	°C	-40 to 70
Max Allowable Load	kN	6
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	2
Effective Modulus	GPa	15
Effective Area	mm ²	75
CLTE	ppm/°C	5.3
MCBL	kN	29

Stringing Examples

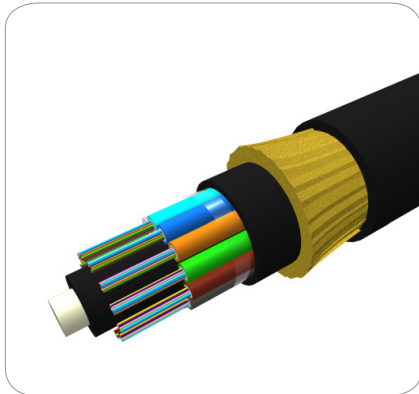
	UNITS	EDS	CONDITIONS		
			SEVERE 1	SEVERE 2	SEVERE 3
TEMP	°C	15	-10	0	0
WIND	km/hr	0	150	120	100
ICE	mm	0	4	2	0
SPAN	m	50/60/80	50	60	80
SAG	m	0.25/0.36/0.64	1.62 (0.19*)	1.6 (0.23*)	1.82 (0.29*)
TENSION	kN	1.25	4.67	3.48	2.79
CABLE STRAIN	%	0.104	0.391	0.29	0.23

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

†† Represents any fibre-count up to 96.

Refer to OSP Cable - Optical Characteristics for further information.

Actual finished product may vary from illustration.



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.

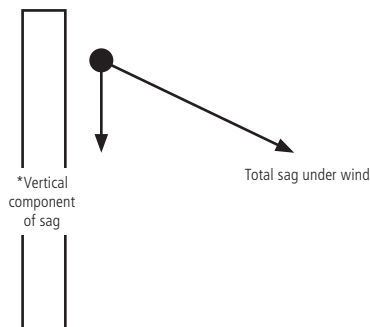
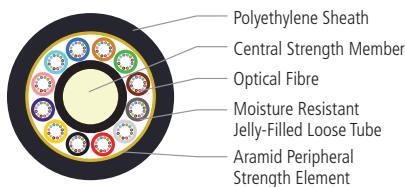
Part Number

SMMC**PA+++BK

Applicable Specifications

AS/ACIF S-008, AS 1049, AS/NZS 11801.1, TIA-598-D, IEC 60793, IEC 60794, ITU-T Rec. G.652.D

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, 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	160
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 Examples

	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	0.25/0.36/0.64	1.53 (0.21*)	1.51 (0.26*)	1.74 (0.34*)
TENSION	kN	1.93	5.68	4.37	3.65
CABLE STRAIN	%	0.14	0.40	0.31	0.26

** 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.

Actual finished product may vary from illustration.