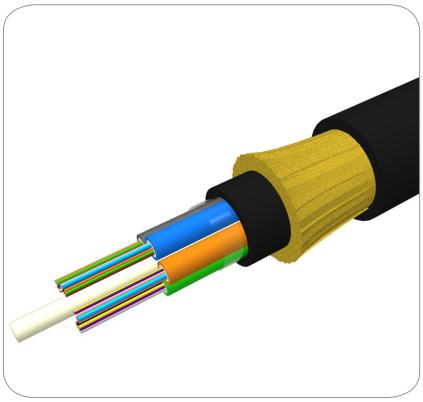


60 Fibre Long Span ADSS Cable

Up to 60 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.

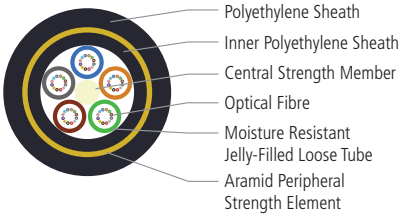
Part Number

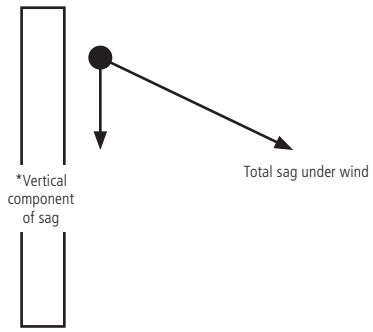
SMJ5**LE0††BK

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	13.5
Nominal Weight	kg/km	140
Temperature Range	°C	-40 to 70
Max Allowable Load	kN	11
Zero Fibre Strain Limit	%	0.95%
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
Effective Area	mm^2	107
CLTE	ppm/°C	5.9
MCBL	kN	30

Stringing Examples

			CONDITIONS		
	UNITS	EDS	SEVERE 1	SEVERE 2	SEVERE 3
TEMP	°C	15	-10	0	0
WIND	(km/hr)	0	135	120	100
ICE	mm	0	0	1	0
SPAN	m	350/450/600	350	450	600
SAG	m	12.40/20.66/37.32	21.41 (2.02*)	31.08(4.31*)	45.41 (7.73*)
TENSION	kN	1.59	9.70	10.11	7.47
CABLE STRAIN	%	0.13	0.80	0.84	0.62

** Represents fibre type: 1D = SM G.652.D 'LWP'. Note: Other fibre types on request.
†† Represents any fibre-count up to 60.
Refer to OSP Cable - Optical Characteristics for further information.
Actual finished product may vary from illustration.

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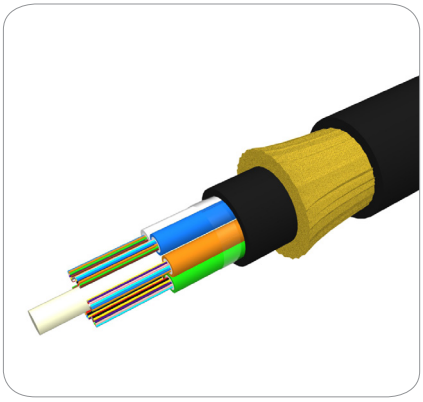


72 Fibre Long Span ADSS Cable

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.

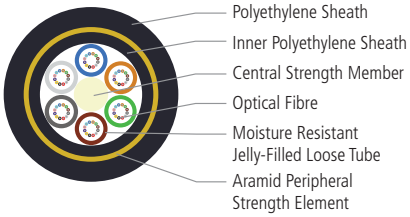
Part Number

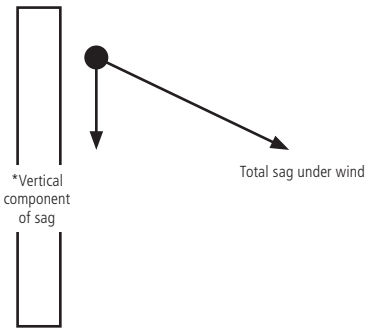
SMJ6**LE0††BK

Applicable Specifications

AS/CA S-008, AS 1049, 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	14.3
Nominal Weight	kg/km	157
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 Examples

			CONDITIONS		
	UNITS	EDS	SEVERE 1	SEVERE 2	SEVERE 3
TEMP	°C	15	-10	0	0
WIND	(km/hr)	0	140	120	120
ICE	mm	0	0	2	0
SPAN	m	350/450/600	350	450	600
SAG	M	12.3/20.6/37.1	21.4 (2.07*)	31.4 (5.32*)	47.8 (6.3*)
TENSION	kN	1.9	11.2	12	11
CABLE STRAIN	%	0.14	0.81	0.87	0.8

** 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.

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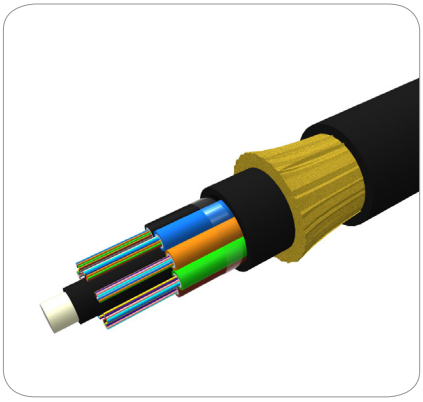


96 Fibre Long Span ADSS Cable

Up to 96 optical fibres (12f/tube) in jelly-filled loose tubes, laid up around a central non-metallic strength member, water blocked, sheathed, aramid yarn reinforced, and final polyethylene sheath. Surface printing includes sequential length marking at one metre intervals.

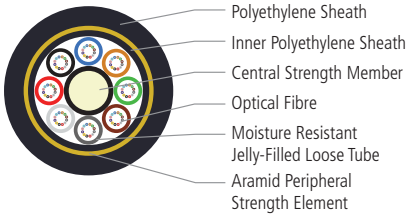
Part Number

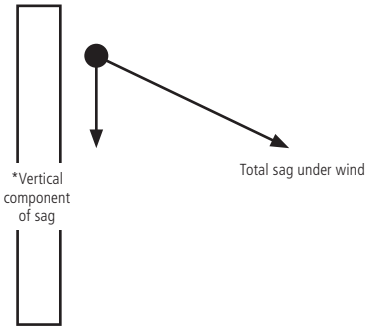
SMJ8**LA0††BK

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	15.7
Nominal Weight	kg/km	190
Temperature Range	°C	-40 to 70
Max Allowable Load	kN	15
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	9
Effective Area	mm^2	149
CLTE	ppm/°C	10
MCBL	kN	34 .69

Stringing Examples

			CONDITIONS		
	UNITS	EDS	SEVERE 1	SEVERE 2	SEVERE 3
TEMP	°C	15	-10	0	0
WIND	(km/hr)	0	140	100	120
ICE	mm	0	0	2	0
SPAN	m	350/450/600	350	450	600
SAG	M	12.34/20.55/37.12	21.77 (2.35*)	29 (7.53*)	48.25 (7.06*)
TENSION	kN	2.31	12.15	9.94	11.93
CABLE STRAIN	%	0.17	0.88	0.724	0.88

** 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.

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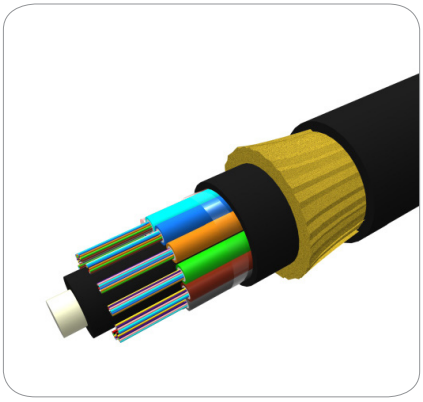


144 Fibre Long Span ADSS Cable

Up to 144 optical fibres (12f/tube) in jelly-filled loose tubes, laid up around a central non-metallic strength member, water blocked, sheathed, aramid yarn reinforced, and final polyethylene sheath. Surface printing includes sequential length marking at one metre intervals.

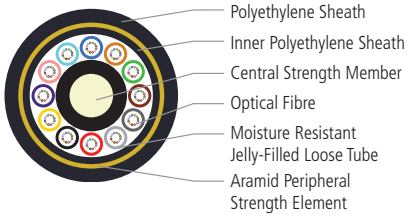
Part Number

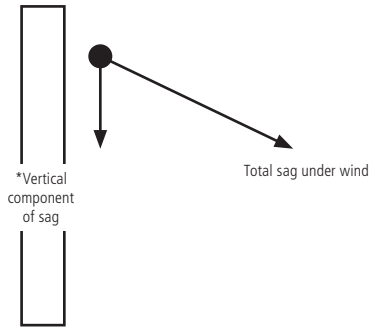
SMJC**LE†††BK

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	19.6
Nominal Weight	kg/km	300
Temperature Range	°C	-40 to 70
Max Allowable Load	kN	20
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	9
Effective Area	mm^2	236
CLTE	ppm/°C	10.3
MCBL	kN	53

Stringing Examples

			CONDITIONS		
	UNITS	EDS	SEVERE 1	SEVERE 2	SEVERE 3
TEMP	°C	15	-10	0	0
WIND	(km/hr)	0	150	120	120
ICE	mm	0	0	2	0
SPAN	m	350/450/600	350	450	600
SAG	M	12.25/20.4/36.8	21.3 (2.5*)	29.7 (6.5*)	46 (8.5*)
TENSION	kN	3.6	17.9	16.6	15.6
CABLE STRAIN	%	0.17	0.85	0.79	0.75

** 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.

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