

60 Fibre Long Span ADSS Cable

Stranded ADSS cable comprising up to 60 optical fibres contained in jelly-filled loose tubes (up to 12 fibres per tube). The tubes and fillers are laid around a central strength member and contained within a dry, water blocked cable core which is sheathed with polyethylene reinforced with aramid yarn and outer sheathed with UV stable Polyethylene. Surface printing includes sequential length marking at one metre intervals.

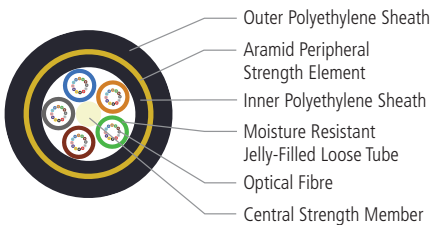
Part Number

S¥J5**LE0††BK

Applicable Specifications

AS/CA S008, AS 1049, AS/NZS 11801-1, TIA-598-D, IEC 60793, IEC 60794, ITU-T Recommendations

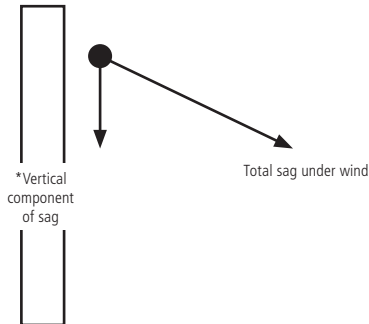
Cable Components



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.

It is also suitable for single point suspension applications such as, down mine shafts or where the cable has to support higher load by providing fixed/variable tensile strength along the outer sheath. UV stabilised outer sheath as per AS 1049. Standard pole-mounting hardware is also 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 - Max. Cable Breaking Load | kN | 30 |

Stringing Examples

| | UNITS | EDS | CONDITIONS | | |
|--------------|---------|-------------------|---------------|--------------|---------------|
| | | | 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 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 60.

Refer to OSP Cable - Optical Characteristics for further information.