

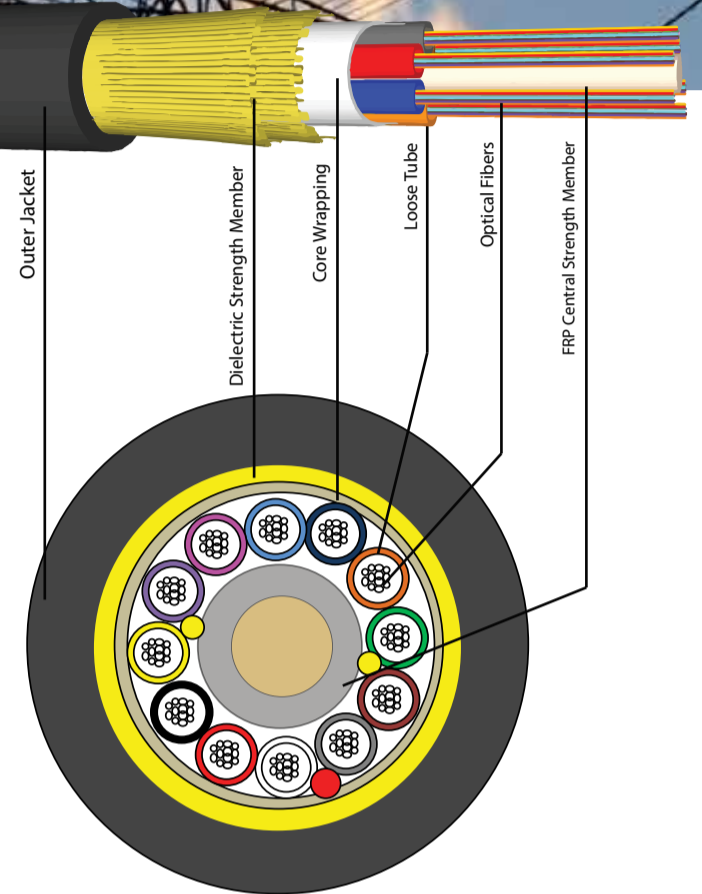


# AERIAL 'ADSS' FIBER OPTIC CABLES

## AERIAL ADSS FIBER OPTIC CABLE

### Application:

GEC's All -dielectric, self -supporting (ADSS) cables designed for aerial installations. The cables can be easily installed where metallic messengers cannot be used. The loose tube design provides stable performance over a wide temperature range and is compatible with any telecommunications Graded optical fiber. The SZ -stranded, loose tube design isolates optical fibers from installation and environmental rigors and facilitates mid -span access. The ADSS optical cables are also available with a proprietary track -resistant polyethylene as jacket suitable for installation in electric field potentials.



### Mechanical & Environmental Test References

Tensile Loading And Bending Test	Test method: IEC 60794-1-2, Method E1
Crush Test	Test method: IEC 60794-1-2, Method E3
Impact Test	Test method: IEC 60794-1-2, Method E4
Repeated bending Test	Test method: IEC 60794-1-2, Method E6
Torsion Test	Test method: IEC 60794-1-2, Method E7
Kink	Test method: IEC 60794-1-2, Method E10
Bend	Test method: IEC 60794-1-2, Method E11A
Temperature Cycling	Test method: IEC 60794-1-F1
Water Penetration Test	Test method: IEC 60794-1-2, Method F5B

### Features

- 1- **Excellent Optical Performance**
- 2- **All Dielectric Self-supporting** construction for different Span Lengths
- 3- Loose tube design stable performance and compatibility with all common fiber types
- 4- **Track-resistant jacket** available which is suitable for installations parallel to electric field potential

Cabled Multimode fibres		Cabled Singlemode fibres	
Fiber Type	Reference Standards	Fiber Type	Reference Standards
OM1 (62.5/125 μm)	ITU-T G.651.1	OS1/OS2	ITU-T G.652D
OM2 (50/125 μm)	ITU-T G.651.1	OS1/OS2	ITU-T G.654
OM3 (50/125 μm)	ITU-T G.651.1	OS1/OS2	ITU-T G.655
OM4 (50/125 μm)	ITU-T G.651.1	OS1/OS2	ITU-T G.656
OM5 (50/125 μm)	ITU-T G.651.1	OS1/OS2	ITU-T G.657 (A1,A2,B1,B2)

GEC optical cables could be supplied with the above standard fibers.

### Typical Parameters

### Cable Description: Aerial 'ADSS' Cable

Fiber Count	Nominal Diameter (mm)	Nominal Weight (Kg/Km)	Nominal Pulling Force (Newton)	Nominal Crush Resistance (N/10cm)	Span (M)
12F	12	110	4,000	2,500	75
24F	12	112	4,000	2,500	75
36F	12	114	4,000	2,500	75
48F	12	116	4,000	2,500	75
60F	12	118	4,000	2,500	75
72F	12	120	4,000	2,500	75
96F	15.2	180	4,000	2,500	75
144F	16	210	4,000	2,500	75

\* Note: The above parameters are of the standard GEC designs, However GEC can offer customized cable designs as per the requirement.