



## AERIAL OPTICAL FIBRE CABLE (FIGURE 8 TYPE)



### DESCRIPTION

The cables are designed for aerial installation & can withstand ice, wind & other harsh field environment

### APPLICATION

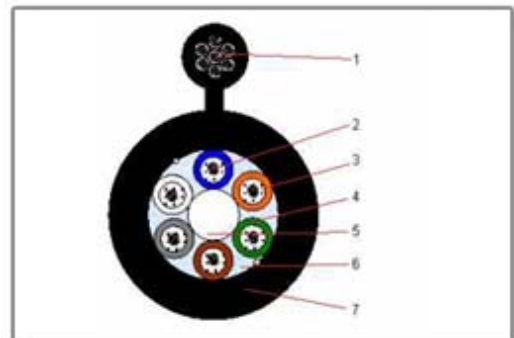
- Economical design for Fast and easy installation on poles and buildings
- Aerial application
- Hilly terrain

### FEATURES

- A suspension steel wire integrated with the sheath create the shape of Figure 8 well known for easy installation.
- S-Z Stranded
- Standard fibre count : 12 – 72

### CABLE CROSS SECTION

1. Stranded wire (Galvanized steel).
2. Primary coated optical fibre (Single mode / Multi mode)
3. Tube Filling Compound – Thixotropic gel.
4. Loose Tube – Polyamide/PBTP or other acceptable thermoplastic material.
5. Central Strength Member – Fibre reinforced plastic rod
6. Water Blocking Media – Water Swellable Tape/Suitable Water Blocking Gel
7. Sheath – Black polyethylene.





**MECHANICAL & ENVIRONMENTAL CHARACTERISTICS**

Span length	100 Mtrs.
Tensile force (IEC 60794-1-E1)	
During Installation	6 x W
Permanent	3 x W
Bending radius (IEC 60794-1-E1)	
Temporary, unloaded	20 D
Permanent, during installation	24 D
Repeated bending (EIA-455-104)	30 times, with weight of 50 N
Torsion resistance (IEC 60794-1-E7)	10 cycle (+/- 180°) with load of 500 N
Crush resistance (IEC 60794-1-E3)	4000 N (100 x 100 mm)
Impact resistance (IEC 60794-1-E4)	25 N-m
Kink resistance (IEC 60794-1-E10)	20 D
Temperature range (IEC 60794-1-F1)	
Operation	-30° to + 70° C
Storage	-30° to + 70° C
Installation	-10° to + 50° C
Water Penetration (IEC 60794-1-F5)	Pass
W = Weight in kg of 1 Km. cable	D = Diameter of cable in mm.

**COLOR CODING**

Colour of fibres in a tube	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose & Natural Last fibre in a tube will be Natural
Identification Method	Marker & Tracer Blue tube/filler (marker) Orange tube/filler (tracer)
Other elements	Natural and/ Black

**DELIVERY INFORMATION**

Cable weight (nominal) – Kg/Km	230
Cable diameter (nominal) – mm	12.8 x 22.3
Supplied length – Kms	2 & 4

Note :

1. Fibre in cable can comply to G651/G652/G652D/G655 or as desired. Properties of cabled fibre available on request.
2. The given cable cross section and characteristics will change as per specification desired by the customers.

