

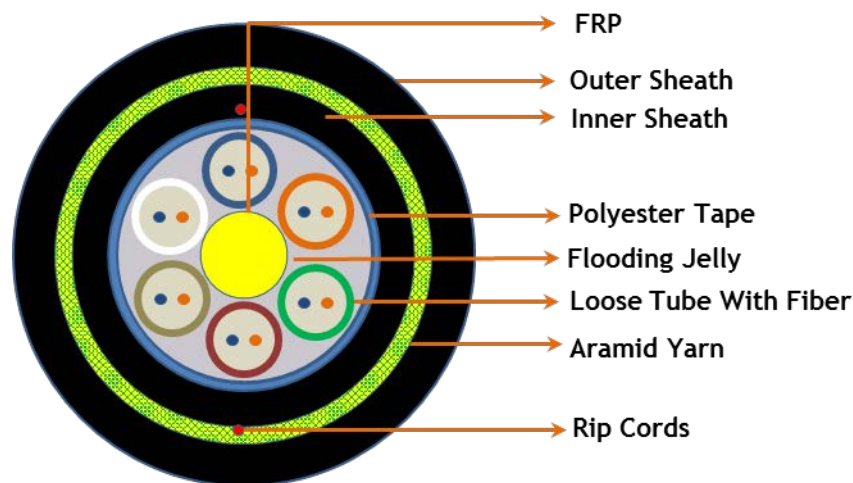
# ADSS Cables

## Construction Details

ADSS Cables are designed having high tensile strength which makes them suitable for medium to long span applications. This cable is stranded Loose tube cable with Optic fibres are placed inside the robust buffer tube. Stranded around the fibre reinforced plastic (FRP) central strength member. Loose tubes contain water blocking jelly and cable core flooded with jelly and core surrounds with Polyester tape to prevent water ingress in the interstices of cable core. The high strength aramid yarns evenly distributed over the inner sheath to provide the required tensile strength for aerial self-supporting applications and surrounded with HDPE jacket to provide the cable with both mechanical and environmental protection. Micro Duct cables are small in Diameter suitable for duct applications. This cable is stranded Loose tube cable with Optic fibres are placed inside the robust buffer tube. Stranded around the fibre reinforced plastic (FRP) central strength member with water swellable thread and Binder yarns. The cable core surrounded with HDPE/Nylon jacket with ripcords.

## Product Applications

These cables are typically used for Outside plant aerial self-supporting application in distribution as well as local and campus network loop architecture. These cables are used in aerial applications for medium to long span lengths including deployment along existing aerial right way and electric transmission towers. These cables are suitable for aerial-duct/underground transitions.



## Features

- Anti-Tracking PE can be used for installation in proximity of high tension power lines (Optional).
- This cable is designed to suite the specific requirements of span length, wind speed and other loading conditions.
- Easily removal thermoplastic jacket
- Flexible, Light weight, easy to handle & install.
- UV Protected.
- Tightly controlled Physical Parameters.
- Combinations of all types if fibres are available on request.
- As Comparing to Conventional cables micro cable diameter is less and thereby reducing installation costs.
- Maximize large duct and rights of way utilization.
- Reduce size and weight aids transportation, handling and blowing distance.

- Flexible, Light weight, easy to handle & install.
- Water Blocking technology for gel free core helps in the quicker and preparations.
- UV Protected.
- Tightly controlled Physical Parameters.
- Combinations of all types if fibers are available on request.

## Specifications

Fiber Count	No. of fibers per Tube	No. of Elements	Cable Diameter (mm)	Cable Weight (Kg/Km) Nominal	Tensile Strength (N)	Crush Resistance (N/10cm)
06F	2	6	13.8 ± 1.0	145	5000	4000
08F	4	6	13.8 ± 1.0	145	5000	4000
12F	4	6	13.8 ± 1.0	145	5000	4000
24F	4	6	13.8 ± 1.0	145	5000	4000
48F	8	6	13.9 ± 1.0	150	5000	4000
72F	12	6	14.0 ± 1.0	153	5000	4000
96F	12	8	15.4 ± 1.0	190	5000	4000

## Mechanical and Environmental Characteristics

- Operation and Storage : -40°C to +70°C
- Installation : -20°C to +70°C
- Span Length : Up to 80 Meters
- Sag : 1.5%
- Wind Velocity : 97 Km/hr

## Standards Compliant

- ITU-T
- IEC 60793 & 60794
- Telcordia GR-20
- EIA/TIA

## Product Options

- Available with all kinds of Single Mode and Multimode Fibres.
- Length Option of 2.0, 4.0 Km.

## Ordering Code : CTS-FOC-ADS-XXX-YYY-KM

- XXX = OS1, OS2, OM1, OM2, OM3, OM4 (Type of Fiber)
- YYY = 06F, 08F, 12F, 24F, 48F, 72F & 96F (No. of Fibers)
- KM = Length in Kilo Meters (Example: 20 for 2 Kilo Meters)