

Multi - Tube ADSS Double Sheath Design

Aerial Cables

PRODUCT DESCRIPTION

ADSS (All Dielectric Self Supporting) cables are designed for installation on poles in distribution and transmission environment mainly where live wire installation is required. Optical fibres inside gel filled tubes are stranded around a central strength member. The core is water blocked by use of suitable water blocking elements. Inner PE sheath is provided over which a layer of Aramid yarn is uniformly distributed that provides the necessary tensile strength. The outer sheath is then extruded over this core. Ripcords facilitate access to the cable core. ADSS cables are suitable for use in harsh environment. These cables are designed based on the required span length and the prevailing environmental conditions.

APPLICATIONS

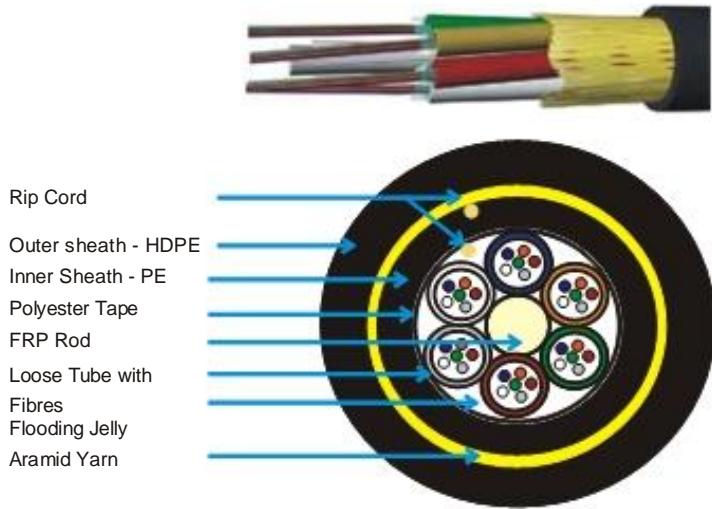
- Aerial, Underground duct and Direct Burial
- Trunk, distribution and feeder cable
- Power utilities

FEATURES

- Anti-tracking resistance
- Multiple fiber types including Hybrids
- Self supporting
- Unitube designs available

ADVANTAGES

- Live power line installation
- Multiple network applications
- Dielectric design eliminates grounding issues
- Increase in lifetime due to anti-tracking property



SPECIFICATIONS

| | |
|----------------------|---|
| Fibre Count | Available from 2F to 144F |
| Standards Compliance | Telecordia GR-20, IEC 60794, EIA/TIA, ITU-T, EN187000, RUS1755.900, IEEE.P-1222 |

ENVIRONMENTAL SPECIFICATIONS (TEMPERATURE)

| | |
|---------------------|---------------------------|
| Operation / Storage | -40 to +70 Degree Celsius |
| Installation | -30 to +75 Degree Celsius |

- Reduces number of tools required due to absence of messenger

Note: Custom designs for various span lengths available upon request.

| FIBRE COUNT | DIAMETER (mm) Nominal | WEIGHT (Kg./Km) Nominal | TENSILE STRENGTH (N) | | CRUSH RESISTANCE (N/10cm) | BENDING RADIUS (mm) | |
|-------------|--------------------------|----------------------------|----------------------|-----------|---------------------------|---------------------|-----------|
| | | | Installation | Operation | | Temporary | Permanent |
| 2-24 | 13.5 | 140 | 4000 | 2500 | 2000 | 135 | 270 |
| 26-48 | 13.5 | 140 | 4000 | 2500 | 2000 | 135 | 270 |
| 50-72 | 14.5 | 160 | 5000 | 3000 | 2000 | 145 | 290 |
| 74-96 | 15.5 | 180 | 6000 | 4000 | 2000 | 155 | 310 |
| 98-120 | 17.0 | 220 | 6000 | 4000 | 2000 | 170 | 340 |
| 122-144 | 18.5 | 260 | 6000 | 4000 | 2000 | 185 | 370 |