

# MINI ADSS / 3 - TWISTED TUBE & ADSS MULTI-TUBE, SINGLE JACKET

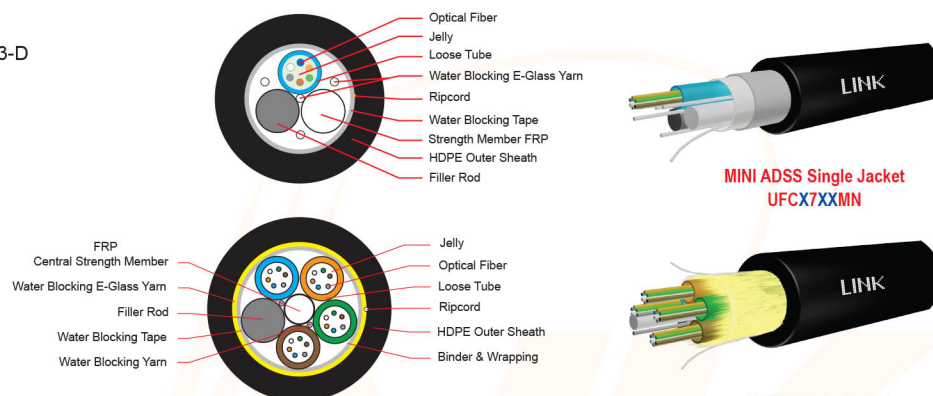


## DESCRIPTION / APPLICATION

- LINK ADSS (All-Dielectric Self Support), outdoor/multi-tube, fiber optic cable special design used for campus backbone (inter-building), metro/access network and outdoor installation.
- Small diameter and lightweight.
- Designed for duct and aerial installation.
- Support IEEE802.3 (LAN, Ethernet, Fast Ethernet Gigabit Ethernet and 10G, 40G, 100G Ethernet) ATM, FDDI Fiber Channel, CATV, CCTV, FTTX or other.

## STANDARDS

- ANSI/TIA-568-C.3, ANSI/TIA-568.3-D
- ANSI/ICEA 640
- Telcordia(Bellcore)GR-20-CORE
- IEEE P-1222
- ITU-T G.651 (Multimode)
- ITU-T G.652D (Singlemode)
- ISO/IEC 11801 : 2017
- IEC 60793, IEC 60794-1-2
- EN 50173-1, EN 187000
- TIS 2166
- RoHS Compliant



MINI ADSS Single Jacket  
UFCX7XXMN

ADSS Single Jacket  
UFCX7XXCM

## FEATURES / CONSTRUCTION

- High performance multimode (OM2, OM3, OM4 and OM5) and singlemode (OS2 or G.652D) fiber optic cable.
- Fiber colors identification comply to TIA/EIA-598-C and EIA-359-A.
- PBT Loose tube design provides high strength and low shrinkage with thixotropic jelly filled loose tube for water penetration protection.
- FRP central strength member provide for tensile strength.
- Water blocking yarns & tape provide for double protection and safety for outdoor environment.
- Water blocking E-glass yarns provide strength member.
- Ripcord is easy to strip.
- Outer jacket UV-resistant, black HDPE.
- Up to 312 core for ADSS, up to 24C for mini ADSS.

## OPTICAL PERFORMANCES

| Optical Transmission Performance | Singlemode<br>1310/1383/1550/1625 nm | Multimode          |                    |                    |                    |
|----------------------------------|--------------------------------------|--------------------|--------------------|--------------------|--------------------|
|                                  |                                      | 850/1300 nm        |                    |                    | 850/953/1300 nm    |
|                                  | 9/125 μm<br>(OS2)                    | 50/125 μm<br>(OM2) | 50/125 μm<br>(OM3) | 50/125 μm<br>(OM4) | 50/125 μm<br>(OM5) |
| Max. Attenuation (dB/km)         | 0.35 / 0.35 / 0.20 / 0.23            | 2.7 / 0.8          | 2.7 / 0.8          | 2.7 / 0.8          | 2.7 / 2.0 / 0.8    |
| Typ. Attenuation (dB/km)         | 0.33 / 0.31 / 0.19 / 0.20            | 2.5 / 0.7          | 2.3 / 0.6          | 2.3 / 0.6          | 2.3 / 1.8 / 0.6    |
| Bandwidth (MHz/km)               | N / A                                | 500 / 500          | 1,500 / 500        | 3,500 / 500        | 3500 / 1850 / 500  |
| 850 nm Laser bandwidth (MHz/km)  | N / A                                | N / A              | 2,000              | 4,700              | 4,700              |
| Numerical Aperture               | 0.13 ± 0.01                          | 0.200 ± 0.015      | 0.200 ± 0.015      | 0.200 ± 0.015      | 0.200 ± 0.015      |

## MECHANICAL PROPERTIES

|                                               | UFCX7XXMN<br>4 ~ 24 Core | UFCX7XXCM<br>4 ~ 72 Core |                |
|-----------------------------------------------|--------------------------|--------------------------|----------------|
| Max. Tensile Load, Installation / Operation   | 1,200 / 600              | 1,800 / 1,000            | N              |
| Max. Span Length                              | 40 ~ 80                  | 40 ~ 80                  | m              |
| Max. Crush Resistance                         | 2,200                    | 2,200                    | N / 10 cm      |
| Cable Diameter, approx.                       | 6.9 ~ 7.4 ± 0.5          | 9.2 ~ 9.9 ± 1.0          | mm             |
| Cable Weight, approx.                         | 43 ~ 50 ± 0.5            | 60 ~ 78 ± 10.0           | kg / km        |
| Min. Bending Radius, Installation / Operation | 20x / 10x                | 20x / 10x                | Cable Diameter |
| Installation / Operation Temperature          | -40°C to + 70°C          | -40°C to + 70°C          |                |
| Storage / Shipping Temperature                | -40°C to + 75°C          | -40°C to + 75°C          |                |

## PART NUMBER : ADSS, MINI ADSS, OUTDOOR / MULTI-TUBE, SINGLE JACKET

| Description                           | 6 Core    | 12 Core   | 24 Core   | 48 Core   | 60 Core   | 72 Core   |
|---------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| MINI ADSS / Singlemode, 9/125 μm, OS2 | UFC9706MN | UFC9712MN | UFC9724MN | -         | -         | -         |
| ADSS / Singlemode, 9/125 μm, OS2      | UFC9706CM | UFC9712CM | UFC9724CM | UFC9748CM | UFC9760CM | UFC9772CM |
| MINI ADSS / Multimode, 50/125 μm, OM2 | UFC5706MN | UFC5712MN | UFC5724MN | -         | -         | -         |
| ADSS / Multimode, 50/125 μm, OM2      | UFC5706CM | UFC5712CM | UFC5724CM | UFC5748CM | UFC5760CM | UFC5772CM |