

# OUTDOOR / INDOOR ALL-DIELECTRIC, FR-LSZH

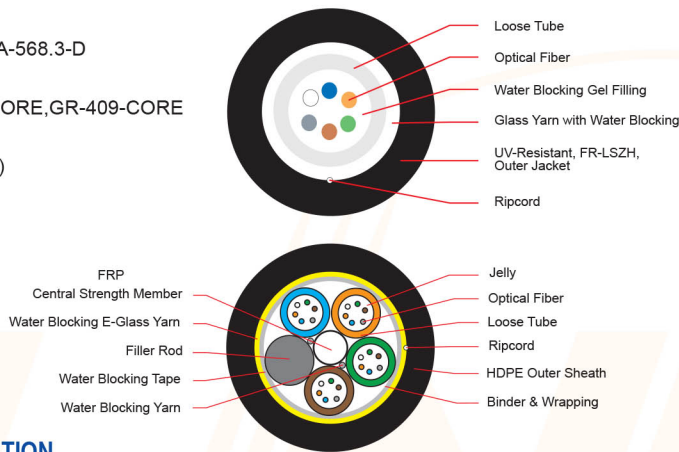


## DESCRIPTION / APPLICATION

- LINK Outdoor/Indoor, fiber optic cable special design used for campus backbone (inter-building), building backbone (intra-building), together with outdoor and indoor installation.
- Small diameter and lightweight design to save space inside duct.
- Designed for duct and lash-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 696
- Telcordia(Bellcore)GR-20-CORE,GR-409-CORE
- ITU-T G.651 (Multimode)
- ITU-T G.652D (Singlemode)
- ISO/IEC 11801 : 2017
- IEC 60332-1, IEC 60332-3
- IEC 61034-2, IEC 60754-2
- IEC 60793, IEC 60794-1-2
- EN 50173-1, TIS 2165
- RoHS Compliant



OUTDOOR/INDOOR, Single Tube  
UFCX3XX



OUTDOOR/INDOOR, Multi Tube  
UFCX3XXM

## 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.
- E-glass yarn with water blocking provide for strengmenber, water blocking and safety for outdoor environment.
- Ripcord is easy to strip.
- UV-resistant, Flame-retardant black PE with LSZH (Low Smoke Zero Halogen) outer jacket.
- Multi tube structure contain up to 312 core.

## OPTICAL PREFORMANCES

| Optical Transmission Performance | Singlemode                |                 | Multimode       |                 |                   |
|----------------------------------|---------------------------|-----------------|-----------------|-----------------|-------------------|
|                                  | 1310/1383/1550/1625 nm    |                 | 850/1300 nm     |                 | 850/953/1300 nm   |
|                                  | 9/125 μm (OS2)            | 50/125 μm (OM2) | 50/125 μm (OM3) | 50/125 μm (OM4) | 50/125 μm (OM5)   |
| Max. Attenuation (dB/km)         | 0.35 / 0.35 / 0.21 / 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       | 1500 / 500      | 3500 / 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

|   | UFCX3XX<br>4 ~ 6 Core | UFCX3XX<br>12 Core | UFCX3XXM<br>24 Core |                |
|---|-----------------------|--------------------|---------------------|----------------|
| Max. Tensile Load, Installation / Operation   | 1,800 / 900           | 1,800 / 900        | 1,800 / 1,000       | N              |
| Max. Crush Resistance                         | 1,500                 | 1,500              | 2,200               | N / 10 cm      |
| Cable Diameter, approx.                       | 7.2 ± 0.5             | 7.7 ± 0.5          | 9.2 ± 1.0           | mm             |
| Cable Weight, approx.                         | 53 ± 5                | 60 ± 5             | 85 ± 10             | kg / km        |
| Min. Bending Radius, Installation / Operation | 15x / 10x             | 15x / 10x          | 15x / 10x           | Cable Diameter |
| Installation / Operation Temperature          | -40°C to +70°C        | -40°C to +70°C     | -40°C to +70°C      |                |
| Storage / Shipping Temperature                | -40°C to +75°C        | -40°C to +75°C     | -40°C to +75°C      |                |

## PART NUMBER : OUTDOOR/INDOOR, ALL-DIELECTRIC, FR-LSZH

| Description                  | 4 Core  | 6 Core  | 12 Core | 24 Core  |
|------------------------------|---------|---------|---------|----------|
| Singlemode, 9/125 μm, OS2    | UFC9304 | UFC9306 | UFC9312 | UFC9324M |
| Multimode, 50/125 μm, OM2    | UFC5304 | UFC5306 | UFC5312 | UFC5324M |
| XG Multimode, 50/125 μm, OM3 | UFC4304 | UFC4306 | UFC4312 | UFC4324M |
| Multimode, 50/125 μm, OM4    | UFC3304 | UFC3306 | UFC3312 | UFC3324M |
| Multimode, 50/125 μm, OM5    | UFC2304 | UFC2306 | UFC2312 | UFC2324M |