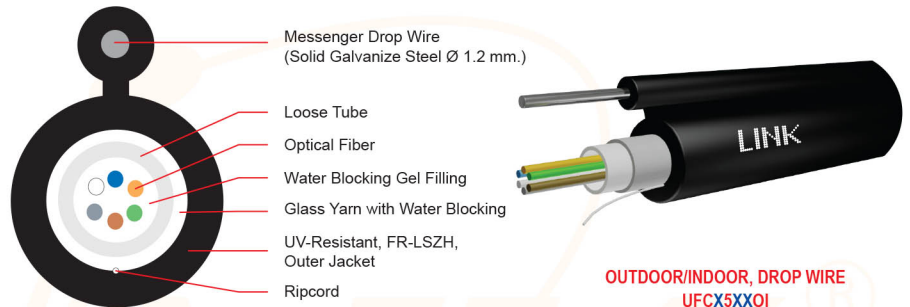


DESCRIPTION / APPLICATION

- LINK Outdoor/Indoor, Dropwire 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.
- Designed for aerial installation with messenger drop wire.
- 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 2166
- RoHS Compliant



OUTDOOR/INDOOR, DROP WIRE
UFCX5XXOI

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.
- Messenger wire provide by 1.2 mm. galvanize steel wire.

OPTICAL PERFORMANCES

| 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 / 0.20 / 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

| | UFCX5XXOI | |
|---|-----------------|----------------|
| Max. Tensile Load, Installation / Operation | 1,200 / 600 | N |
| Max. Span Length | 40 ~ 80 | m |
| Max. Crush Resistance | 1,500 | N / 10 cm |
| Cable Diameter, approx. | 5.6 ~ 6.1 ± 0.5 | mm |
| Overall Diameter, approx. | 9.3 ~ 9.8 ± 1.0 | mm |
| Cable Weight, approx. | 52 ~ 58 ± 5 | kg / km |
| Min. Bending Radius, Installation / Operation | 15x / 10x | Cable Diameter |
| Installation / Operation Temperature | -40°C to +70°C | |
| Storage / Shipping Temperature | -40°C to +75°C | |

PART NUMBER : OUTDOOR/INDOOR, DROP WIRE, FR-LSZH

| Description | 4 Core | 6 Core | 12 Core |
|------------------------------|-----------|-----------|-----------|
| Singlemode, 9/125 μm, OS2 | UFC9504OI | UFC9506OI | UFC9512OI |
| Multimode, 50/125 μm, OM2 | UFC5504OI | UFC5506OI | UFC5512OI |
| XG Multimode, 50/125 μm, OM3 | UFC4504OI | UFC4506OI | UFC4512OI |
| Multimode, 50/125 μm, OM4 | UFC3504OI | UFC3506OI | UFC3512OI |
| Multimode, 50/125 μm, OM5 | UFC2504OI | UFC2506OI | UFC2512OI |