

# ARMORED, MULTI-TUBE SINGLE or DOUBLE JACKET

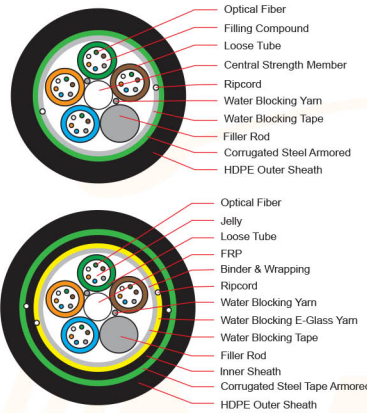


## DESCRIPTION / APPLICATION

- LINK Outdoor/Armored, fiber optic cable special design used for campus backbone (inter-building) building backbone (intra-building), outdoor installation.
- Small diameter and lightweight design to save space inside duct.
- Designed for direct burial, 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, FTTH or other.

## STANDARDS

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



## 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 strength member and water blocking. (for UFCX6XXMD)
- High Strength Steel Wire Central Strength Member provide for tensile strength (FRP available on Request)
- Water blocking tape provide for double protection and safety for outdoor environment.
- Ripcord is easy to strip.
- Corrugated steel tape coat with polymer provides rodent protection.
- UV-resistant, black HDPE outer jacket.
- Multi tube structure contain up to 312 core.

## OPTICAL PREFORMANCES

| Optical Transmission Performance | Singlemode                |                | Multimode       |                 |                   |
|----------------------------------|---------------------------|----------------|-----------------|-----------------|-------------------|
|                                  | 1310/1383/1550/1625 nm    | 9/125 μm (OS2) | 850/1300 nm     |                 | 850/953/1300 nm   |
|                                  |                           |                | 50/125 μm (OM2) | 50/125 μm (OM3) | 50/125 μm (OM4)   |
| 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

|   | UFCX6XXM       | UFCX6XXMD       |                |
|---|----------------|-----------------|----------------|
| Max. Tensile Load, Installation / Operation   | 2,700 / 1,500  | 3,000 / 1,800   | N              |
| Max. Crush Resistance                         | 3,400          | 4,400           | N / 10 cm      |
| Cable Diameter, approx.                       | 10 ~ 11± 1.0   | 11.8 ~ 13.8±1.0 | mm             |
| Cable Weight, approx.                         | 90 ~ 125±10    | 120 ~ 150±1.0   | 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 : ARMORED, MULTI-TUBE SINGLE JACKET

| Description                  | 24 Core  | 48 Core  | 60 Core  | 72 Core  |
|------------------------------|----------|----------|----------|----------|
| Singlemode, 9/125 μm, OS2    | UFC9624M | UFC9648M | UFC9660M | UFC9672M |
| Multimode, 50/125 μm, OM2    | UFC5624M | UFC5648M | UFC5660M | UFC5672M |
| XG Multimode, 50/125 μm, OM3 | UFC4624M | UFC4648M | UFC4660M | UFC4672M |
| Multimode, 50/125 μm, OM4    | UFC3624M | UFC3648M | UFC3660M | UFC3672M |
| Multimode, 50/125 μm, OM5    | UFC2624M | UFC2648M | UFC2660M | UFC2672M |

Remark : For ARMORED, MULTI-TUBE DOUBLE JACKET add MD on Part Number eg. UFCX6XXMD