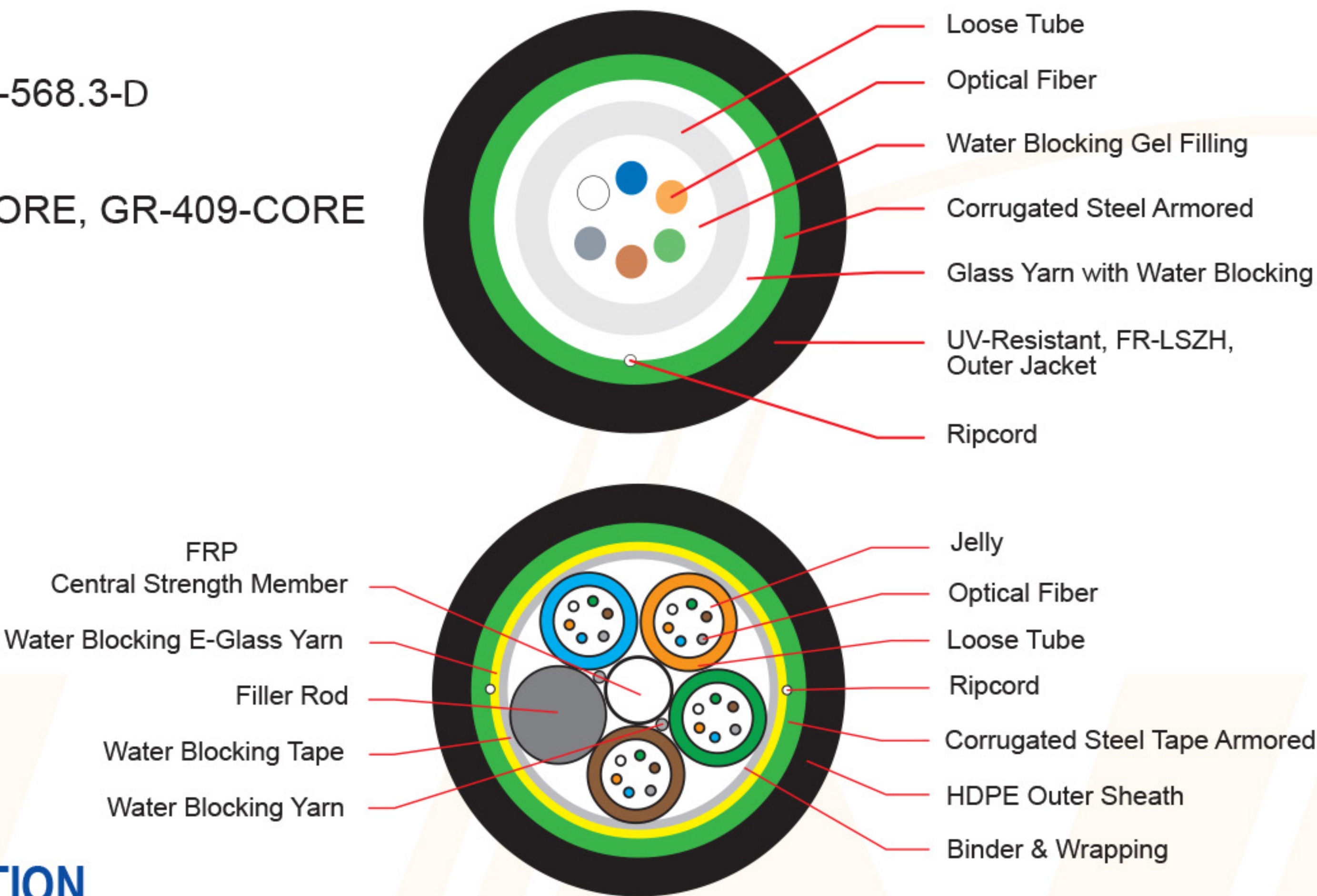


DESCRIPTION / APPLICATION

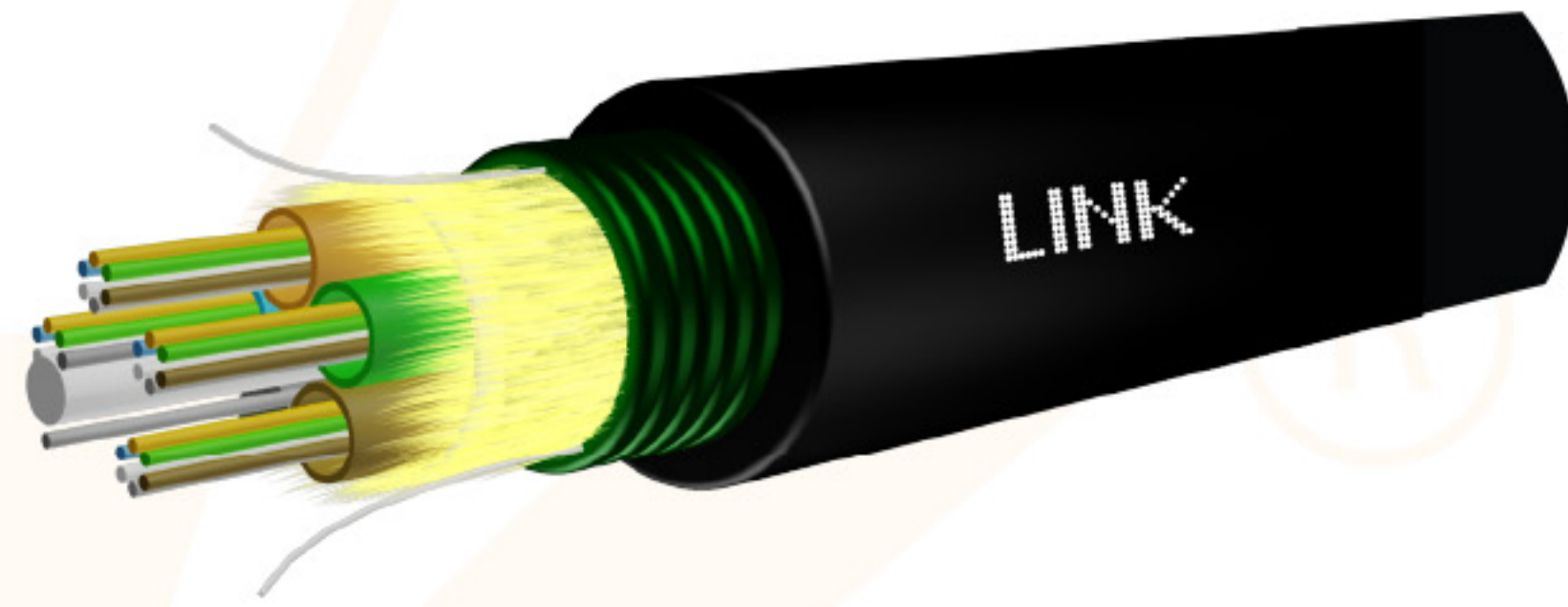
- LINK Outdoor/Indoor, Armored, fiber optic cable special design used for campus backbone (inter-building), building backbone (intra-building), together with outdoor and indoor installation.
- Small diameter and lightweight design to save space inside duct.
- Designed for direct burial, duct and lash-aerial installation.
- Support IEEE802.3 (LAN, Ethernet, Fast Ethernet Gigabit Ethernet and 10G, 40G, 100G Ethernet) ATM, FDDI Fiber Channel CATV, CCTV, 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, IE C60754-2
- IEC 60793, IEC 60794-1-2
- EN 50173-1, TIS 2165
- RoHS Compliant



OUTDOOR/INDOOR, Armored, Single Tube  
UFCX3XXA



OUTDOOR/INDOOR, Armored, Multi Tube  
UFCX3XXMA

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.
- Corrugated steel tape coat with polymer provides rodent protection.
- 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<br>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 / 0.21 / 0.23            | 2.7 / 0.8          | 2.7 / 0.8          | 2.7 / 0.8          | 2.7 / 2.3 / 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 / 2.0 / 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 Aparture                  | 0.13 ± 0.01                          | 0.200 ± 0.015      | 0.200 ± 0.015      | 0.200 ± 0.015      | 0.200 ± 0.015      |

MECHANICAL PROPERTIES

|                                               | UFCX3XXA<br>4 ~ 6 Core | UFCX3XXA<br>12 Core | UFCX3XXMA<br>24 Core |                |
|-----------------------------------------------|------------------------|---------------------|----------------------|----------------|
| Max. Tensile Load, Installation / Operation   | 1,800 / 1,000          | 1,800 / 1,000       | 1,800 / 1,000        | N              |
| Max. Crush Resistance                         | 2,200                  | 2,200               | 3,400                | N / 10 cm      |
| Cable Diameter, approx.                       | 7.9 ± 0.5              | 8.4 ± 0.5           | 10.3 ± 1.0           | mm             |
| Cable Weight, approx.                         | 75 ± 0.5               | 82 ± 0.5            | 90 ± 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, ARMORED, FR-LSZH

| Description                  | 4 Core   | 6 Core   | 12 Core  | 24 Core   |
|------------------------------|----------|----------|----------|-----------|
| Singlemode, 9/125 μm, OS2    | UFC9304A | UFC9306A | UFC9312A | UFC9324MA |
| Multimode, 50/125 μm, OM2    | UFC5304A | UFC5306A | UFC5312A | UFC5324MA |
| XG Multimode, 50/125 μm, OM3 | UFC4304A | UFC4306A | UFC4312A | UFC4324MA |
| Multimode, 50/125 μm, OM4    | UFC3304A | UFC3306A | UFC3312A | UFC3324MA |
| Multimode, 50/125 μm, OM5    | UFC2304A | UFC2306A | UFC2312A | UFC2324MA |