

# OUTDOOR/INDOOR ARMORED, FR-LSZH

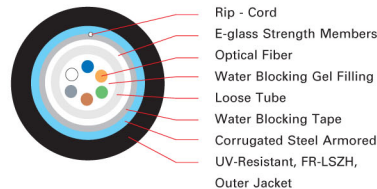


## DESCRIPTION / APPLICATION

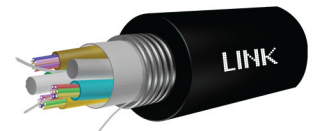
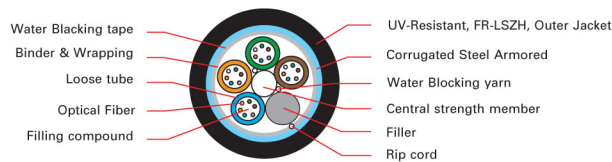
- LINK Outdoor/Indoor, Armored, fiber optic cable special design used for campus backbone (inter-building) building backbone (intra-building), indoor and outdoor installation
- Small diameter and lightweight design to save space inside duct
- Designed for direct burial, duct and lash-aerial installation
- Support IEEE802.3 (LAN, Ethernet, Fast Ethernet Gigabit Ethernet and 10G Ethernet) ATM, FDDI Fiber Channel CATV, CCTV, FTTX or other

## STANDARDS

- ANSI/TIA/EIA-568-B.3, ANSI/TIA-568-C.3
- ANSI/ICEA 696, ANSI/ICEA 596, ANSI/ICEA 640
- Telcordia(Bellcore)GR-20-CORE,GR-409-CORE
- ITU-T G.651 (Multimode)
- ITU-T G.652D (Singlemode)
- ISO/IEC 11801 : 2002, ISO/IEC 11801:2011(Ed.2.2)
- IEC 60332-1, IEC60332-3
- IEC 61034-2, IEC60754-2
- IEC 60793, IEC60794-1-2
- EN 50173-1, TIS 2165-2548
- RoHS Compliant



OUTDOOR/INDOOR, Armored, Single Tube  
UFCX3XXA



OUTDOOR/INDOOR, Armored, Multi-Tube  
UFCX3XXMA

## FEATURES / CONSTRUCTION

- High performance multimode (OM1, OM2, OM3 and OM4) 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 yarns provide for strength member (for UFCX3XXA)
- High Strength Steel Wire Central Strength Member provide for tensile strength (FRP available on Request)(for UFCX3XXMA)
- 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, Flame-retardant black PE with LSZH (Low Smoked Zero Halogen) outer jacket
- Multi-tube structure contain 6 - 144 core

## OPTICAL PERFORMANCES

Optical Transmission Performance	Singlemode 1310/1383/1550/1625 nm	Multimode 850/1300 nm			
	9/125 μm (OS2)	62.5/125 μm (OM1)	50/125 μm (OM2)	50/125 μm (OM3)	50/125 μm (OM4)
Max. Attenuation (dB/km)	0.35 / 0.35 / 0.20 / 0.23	3.0 / 0.8	2.7 / 0.8	2.7 / 0.8	2.7 / 0.8
Typ. Attenuation (dB/km)	0.33 / 0.31 / 0.19 / 0.20	2.7 / 0.6	2.5 / 0.7	2.3 / 0.6	2.3 / 0.6
Bandwidth (MHz/km)	N / A	200 / 600	500 / 500	1500 / 500	3500 / 500
850 nm Laser bandwidth (MHz/km)	N / A	N / A	N / A	2000	4700
Numerical Aperture	0.13 ± 0.01	0.275 ± 0.015	0.200 ± 0.015	0.200 ± 0.015	0.200 ± 0.015

## MECHANICAL PROPERTIES

	UFCX3XXA 4 - 12 Core	UFCX3XXMA 24 - 48 Core	
Max. Tensile Load, Installation / Operation	2,700 / 1,000	2,700 / 1,500	N
Max. Crush Resistance	4,400	4,400	N / 10 cm
Cable Diameter, approx.	10.0 ± 0.5	10.5 - 11.5	mm
Cable Weight, approx.	120 ± 10	135 - 155	kg / km
Min. Bending Radius, Installation / Operation	15x / 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 : OUTDOOR/INDOOR, ARMORED, FR-LSZH

Description	4 Core	6 Core	8 Core	12 Core	24 Core
Singlemode, 9/125 μm, OS2	UFC9304A	UFC9306A	UFC9308A	UFC9312A	UFC9324MA
Multimode, 62.5/125 μm, OM1	UFC6304A	UFC6306A	UFC6308A	UFC6312A	UFC6324MA
Multimode, 50/125 μm, OM2	UFC5304A	UFC5306A	UFC5308A	UFC5312A	UFC5324MA
XG Multimode, 50/125 μm, OM3	UFC4304A	UFC4306A	UFC4308A	UFC4312A	UFC4324MA
Multimode, 50/125 μm, OM4	UFC3304A	UFC3306A	UFC3308A	UFC3312A	UFC3324MA