

# OUTDOOR / INDOOR ALL-DIELECTRIC, FR-LSZH

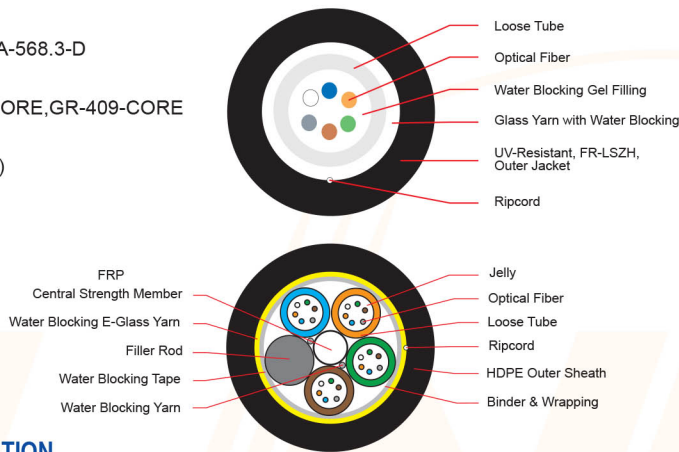


## DESCRIPTION / APPLICATION

- 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 4 ~ 6 Core	UFCX3XX 12 Core	UFCX3XXM 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