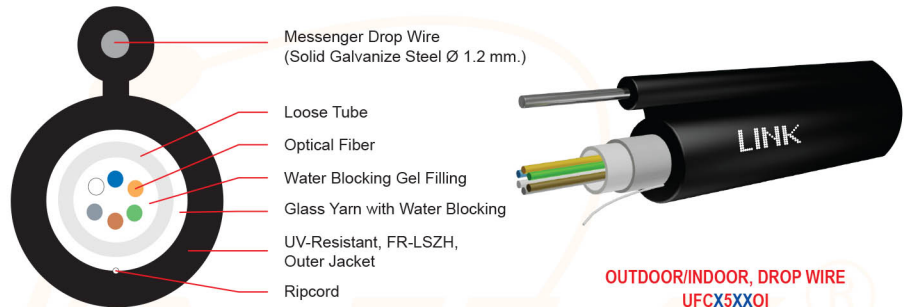


## DESCRIPTION / APPLICATION

- 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 $\mu$ m (OS2)	50/125 $\mu$ m (OM2)	50/125 $\mu$ m (OM3)	50/125 $\mu$ m (OM4)	50/125 $\mu$ m (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 $\pm$ 0.01	0.200 $\pm$ 0.015	0.200 $\pm$ 0.015	0.200 $\pm$ 0.015	0.200 $\pm$ 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 $\pm$ 0.5	mm
Overall Diameter, approx.	9.3 ~ 9.8 $\pm$ 1.0	mm
Cable Weight, approx.	52 ~ 58 $\pm$ 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 $\mu$ m, OS2	UFC9504OI	UFC9506OI	UFC9512OI
Multimode, 50/125 $\mu$ m, OM2	UFC5504OI	UFC5506OI	UFC5512OI
XG Multimode, 50/125 $\mu$ m, OM3	UFC4504OI	UFC4506OI	UFC4512OI
Multimode, 50/125 $\mu$ m, OM4	UFC3504OI	UFC3506OI	UFC3512OI
Multimode, 50/125 $\mu$ m, OM5	UFC2504OI	UFC2506OI	UFC2512OI