

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 Ethernet) ATM, FDDI Fiber Channel CATV, CCTV, FTTX or other

Standards

- ISO/IEC 11801 : 2002
- ANSI/TIA/EIA-568-B.3, ANSI/TIA-568-C.3
- Telcordia(Bellcore)GR-20-CORE
- ANSI/ICEA 640
- ITU-T G.651 (Multimode)
- ITU-T G.652D (Singlemode)
- IEC 60793, IEC60794-1-2, EIA-455
- EN 50173-1, TIS 2165-2548
- RoHS Compliant



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
- Water blocking E-glass yarns provide for strength member
- 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 Performances

Optical Transmission Performance	Singlemode	Multimode			
	1310/1383/1550/1625 nm	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 / 0.21 / 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

Max. Tensile Load, Installation / Operation

Max. Crush Resistance

Cable Diameter, approx.

Cable Weight, approx.

Min. Bending Radius, Installation / Operation

Installation / Operation Temperature

Storage / Shipping Temperature

	UFCX6XXM 6 - 72 Core	UFCX6XXMD 6 - 72 Core	
Max. Tensile Load	2700 / 1500	3000 / 1500	N
Max. Crush Resistance	2200	4400	N / 10 cm
Cable Diameter	10-11 ± 1.0	11.8-12.8 ± 1.0	mm
Cable Weight	90-125 ± 10	120-150 ± 10	kg / km
Min. Bending Radius	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

Description	12 Core	24 Core	48 Core	60 Core	72 Core
Singlemode, 9/125 μm, OS2, Single Jacket	UFC9612M	UFC9624M	UFC9648M	UFC9660M	UFC9672M
Multimode, 50/125 μm, OM2, Single Jacket	UFC5612M	UFC5624M	UFC5648M	UFC5660M	UFC5672M

Description	12 Core	24 Core	48 Core	60 Core	72 Core
Singlemode, 9/125 μm, OS2, Double Jacket	UFC9612MD	UFC9624MD	UFC9648MD	UFC9660MD	UFC9672MD
Multimode, 50/125 μm, OM2, Double Jacket	UFC5612MD	UFC5624MD	UFC5648MD	UFC5660MD	UFC5672MD