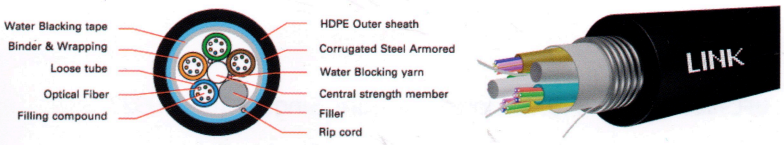
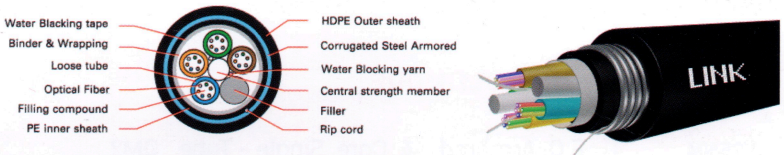
ARMORED, Multi - Tube Single or Double Jacket

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



OUTDOOR , Armored , Multi-Tube , Single Jacket
UFCX6XXM



OUTDOOR , Armored , Multi-Tube , Double Jacket
UFCX6XXMD

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
- E-glass yarns provide for strength member (Optional)
- 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 Preformances

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 / 0.21 / 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 Aparture	0.13 ± 0.01	0.275 ± 0.015	0.200 ± 0.015	0.200 ± 0.015	0.200 ± 0.015

Mechanical Properties

	UFCX6XXM 24 - 60 Core	UFCX6XXMD 24 - 60 Core	
Max. Tensile Load, Installation / Operation	2,700 / 1,500	2,700 / 1,500	N
Max. Crush Resistance	4,400	4,400	N / 10 cm
Cable Diameter, approx.	10.5 - 11.5	12.5 - 13.5	mm
Cable Weight, approx.	110 - 130	140 - 160	kg / km
Min. Bending Radius, Installation / Operation	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	24 Core	48 Core	60 Core	72 Core	96 Core
Singlemode, 9/125 µm, OS2, Single Jacket	UFC9624M	UFC9648M	UFC9660M	UFC9672M	UFC9696M
Multimode, 50/125 µm, OM2, Single Jacket	UFC5624M	UFC5648M	UFC5660M	UFC5672M	UFC5696M

Description	Core	Core	Core	Core	Core
Singlemode, 9/125 µm, OS2, Double Jacket	UFC9624MD	UFC9648MD	UFC9660MD	UFC9672MD	UFC9696MD
Multimode, 50/125 µm, OM2, Double Jacket	UFC5624MD	UFC5648MD	UFC5660MD	UFC5672MD	UFC5696MD