

# FIG.8, OUTDOOR / MULTI-TUBE

# FIG.8, OUTDOOR / MULTI-TUBE / ARMORED

## Description/Application



- LINK Fig.8, outdoor/multi-tube, fiber optic cable special design used for campus backbone (inter-building), metro/access network and outdoor installation
- Small diameter and lightweight
- Designed for aerial installation with stranded suspension wire
- 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 2166-2548
- RoHS Compliant

## 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)	0.36 / 0.36 / 0.25 / 0.35	3.0 / 0.8	2.7 / 0.8	2.7 / 0.8	2.7 / 0.8
Typ. Attenuation (dB/km)	0.34 / 0.32 / 0.21 / 0.24	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

	UFCX8XXM 24 - 72 Core	UFCX8XXMA 24 - 72 Core	
Max. Tensile Load, Installation / Operation	7,000 / 4,000	7,000 / 4,000	N
Max. Span Length	80	80	m
Max. Crush Resistance	2,200	4,400	N / 10 cm
Cable Diameter, approx.	9.8 - 10.8	10.5 - 12.0	mm
Cable Weight, approx.	18.7 - 19.7	19.3 - 20.8	mm
Overall Diameter, approx.	165 - 185	212 - 261	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
Singlemode, 9/125 μm, OS2	UFC9824M	UFC9848M	UFC9860M	UFC9872M
Armored / Singlemode, 9/125 μm, OS2	UFC9824MA	UFC9848MA	UFC9860MA	UFC9872MA
Multimode, 50/125 μm, OM2	UFC5824M	UFC5848M	UFC5860M	UFC5872M
Armored / Multimode, 50/125 μm, OM2	UFC5824MA	UFC5848MA	UFC5860MA	UFC5872MA

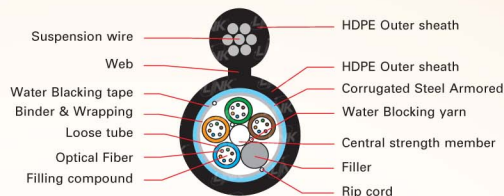
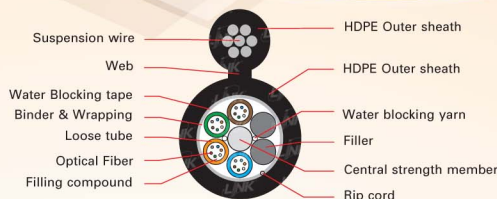


Fig.8, Multi-Tube  
UFCX8XXM

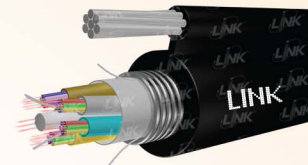


Fig.8, Multi-Tube, Armored  
UFCX8XXMA

## 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
- High Strength Steel Wire Central Strength Member provide for tensile strength (FRP available on Request)
- Water blocking yarns & tape provide for double protection and safety for outdoor environment
- Corrugated steel tape coat with polymer provides rodent protection (for UFCX8XXMA)
- Ripcord is easy to strip
- Suspension wire provide by 7 x 1.2 mm. stranded galvanize steel wire for tensile strength
- UV-resistant, black HDPE outer jacket, Up to 144 core