

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
- High tensile strength and longer span distance.
- Designed for aerial installation with stranded suspension 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/EIA-568.3-D
- ANSI/ICEA 640
- Telcordia(Bellcore)GR-20-CORE
- ITU-T G.651 (Multimode)
- ITU-T G.652D (Singlemode)
- ISO/IEC 11801 : 2011
- ISO/IEC 11801 : 2017
- IEC 60793, IEC60794-1-2
- EN 50173-1, TIS 2166-2548
- RoHS Compliant

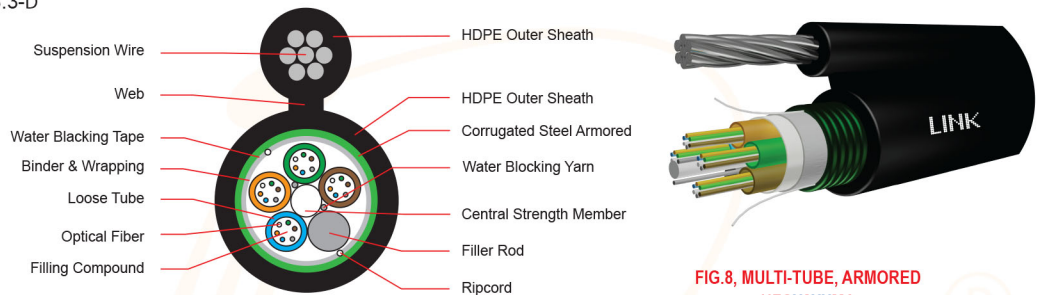


FIG.8, MULTI-TUBE, ARMORED UFCX8XXMA

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.
- High Strength Steel Wire Center Strength Member provide for tensile strength (FRP available on Request).
- Water blocking yarns & tape provide for double protection and safety for outdoor environment .
- Ripcord is easy to strip.
- Suspension wire provide by 7 x 1.0 mm. stranded galvanize steel wire for tensile strength.
- UV-resistant, black HDPE outer jacket, Up to 312 core.

OPTICAL PERFORMANCES

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 / 0.20 / 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	3,500 / 500 / 1,850
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

	UFCX8XXMA 6 ~ 96 Core	
Max. Tensile Load, Installation / Operation	6,000 / 3,000	N
Max. Span Length	40 ~ 80	m
Max. Crush Resistance	3,400	N / 10 cm
Cable Diameter, approx.	9.8 ~ 10.8 ± 1.0	mm
Overall Diameter, approx.	16.8 ~ 17.8 ± 1.0	mm
Cable Weight, approx.	150 ~ 180 ± 10.0	kg / km
Min. Bending Radius, Installation / Operation	20x / 10x	Cable Diameter
Installation / Operation Temperature	-40°C to + 70°C	
Storage / Shipping Temperature	-40°C to + 75°C	

PART NUMBER : FIG.8, OUTDOOR / MULTI-TUBE

Description	24 Core	48 Core	60 Core	72 Core
Singlemode, 9/125 μm, OS2	UFC9824MA	UFC9848MA	UFC9860MA	UFC9872MA
Multimode, 50/125 μm, OM2	UFC5824MA	UFC5848MA	UFC5860MA	UFC5872MA
XG Multimode, 50/125 μm, OM3	UFC4824MA	UFC4848MA	UFC4860MA	UFC4872MA
Multimode, 50/125 μm, OM4	UFC3824MA	UFC3848MA	UFC3860MA	UFC3872MA
Multimode, 50/125 μm, OM5	UFC2824MA	UFC2848MA	UFC2860MA	UFC2872MA