

Description/Application



- LINK Drop Wire / Aerial , 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 solid or stranded messenger wire optional.
- Support IEEE802.3 (LAN, Ethernet, Fast Ethernet Gigabit Ethernet and 10G Ethernet) ATM, FDDI Fiber Channel, CATV, CCTV, FTTX or other



Outdoor, Stranded Drop Wire, Armored
UFCX5XXDSA



CTV Drop Wire, 3 Tube, Armored
UFC95XXMDA

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 tape provide for double protection and safety for outdoor environment
- Corrugated steel tape coat with polymer provides rodent protection
- Messenger wire provide by 7 x 0.4 mm.(1.8 mm) stranded galvanize steel wire for tensile strength or Ø 1.6 mm solid galvanize steel wire for MDA Series
- UV-resistant, black HDPE outer jacket

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 / 0.20 / 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 ± 0.21	0.275 ± 0.015	0.200 ± 0.015	0.200 ± 0.015	0.200 ± 0.015

Mechanical Properties

	UFCX5XXDSA	UFC95XXMDA	
Max. Tensile Load, Installation / Operation	1200 / 600	1800 / 1000	N
Max. Span Length	40 - 80	50	m
Max. Crush Resistance	2200	3400	N / 10 cm
Conductor cross-sectional area			mm ²
Cable Diameter, approx.	7.7 - 8.2 ± 0.5	8.5 - 8.8 ± 0.5	mm
Overall Diameter, approx.	11.4 - 11.9 ± 1.0	12.6 - 12.9 ± 1.0	mm
Cable Weight, approx.	67 - 75 ± 10	85 - 90 ± 5.0	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	4 Core	6 Core	12 Core	24 Core
Singlemode, 9/125 μm, OS2, Stranded	UFC9504DSA	UFC9506DSA	UFC9512DSA	-
Multimode, 50/125 μm, OM2, Stranded	UFC5504DSA	UFC5506DSA	UFC5512DSA	-
Singlemode, OS2, 3 Twisted Tube, Solid	UFC9504MDA	UFC9506MDA	UFC9512MDA	UFC9524MDA