

# DROP WIRE / SINGLE OR 3 - TWISTED TUBE ARMORED



## DESCRIPTION / APPLICATION

- LINK Drop Wire / Aerial, fiber optic cable special design used for campus backbone (inter-building) metro / access and outdoor installation.
- Small diameter and lightweight design to save space inside duct.
- Designed for aerial installation with solid or stranded messenger wire optional.
- Support IEEE802.3 (LAN, Ethernet, Fast Ethernet Gigabit Ethernet and 10G, 40G, 100G Ethernet) ATM, FDDI Fiber Channel CATV, CCTV, FTTH or other.

## STANDARDS

- ANSI/TIA-568-C.3, ANSI/TIA-568.3-D
- ANSI/ICEA 640
- Telcordia(Bellcore)GR-20-CORE
- ITU-T G.651 (Multimode)
- ITU-T G.652D (Singlemode)
- ISO/IEC 11801 : 2017
- IEC 60793, IEC 60794-1-2
- EN 50173-1, TIS 2166
- RoHS Compliant



## 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.
- E-glass yarn with water blocking provide for strengmenber, water blocking and safety for outdoor environment.
- Ripcord is easy to strip.
- Corrugated steel tape coat with polymer provides rodent protection.
- Messenger wire provide by 7 x 0.4 mm. (1.2 mm.) stranded galvanize steel wire for tensile strength or (1.6 mm.) solid galvanize steel wire for MDA Series.
- UV-resistant, black HDPE outer jacket.

## OPTICAL PREFORMANCES

Optical Transmission Performance	Singlemode		Multimode		
	1310/1383/1550/1625 nm	9/125 μm (OS2)	850/1300 nm		850/953/1300 nm
			50/125 μm (OM2)	50/125 μm (OM3)	50/125 μm (OM4)
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	3500 / 1850 / 500
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

	UFCX5XXDSA	UFCX5XXMDA	
	4 ~ 12 Core	4 ~ 24 Core	
Max. Tensile Load, Installation / Operation	1,200 / 600	1,800 / 1,000	N
Max. Span Length	40 ~ 80	40 ~ 80	m
Max. Crush Resistance	2,200	3,400	N / 10 cm
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 ± 0.5	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 : CTV SOLID DROP WIRE 3-TUBE, ARMORED

Description	4 Core	6 Core	12 Core
Singlemode, 9/125 μm, OS2	UFC9504DSA	UFC9506DSA	UFC9512DSA
Multimode, 50/125 μm, OM2	UFC5504DSA	UFC5506DSA	UFC5512DSA
XG Multimode, 50/125 μm, OM3	UFC4504DSA	UFC4506DSA	UFC4512DSA
Multimode, 50/125 μm, OM4	UFC3504DSA	UFC3506DSA	UFC3512DSA
Multimode, 50/125 μm, OM5	UFC2504DSA	UFC2506DSA	UFC2512DSA

**Remark** : For CTV STRANDED DROP WIRE 3-TUBE, ARMORED, add MDA on Part Number eg. UFCX5XXMDA