

OUT DOOR, CTV STRANDED DROP WIRE, ARMORED, POWER WIRE



DESCRIPTION / APPLICATION

- Outdoor, CTV Stranded, Armored, Power wire, fiber optic cable special design used for campus backbone (inter-buiding) building backbone (intra-building), indoor and outdoor installation
- Small diameter and lightweight desingn to save space inside duct
- Designed for aerial installation with stranded messenger wire
- Support IEEE802.3 (LAN, Ethernet, Fast Ethernet Gigabit Ethernet and 10G Ethernet) ATM, FDDI Fiber Channel CATV, CCTV FTTX or other

STANDARDS

- ANSI/TIA/EIA- 568-B.3, ANSI/TIA-568-C.3
- ANSI/CEA 640
- Telcordia (Bellcore)GR-20-CORE
- ITU-T G.651 (Multimode)
- ITU-T G.652D (Singlemode)
- ISO/IEC 11801 : 2002
- ISO/IEC 11801 : 2011 (Ed.2.2)
- EC 60793, IEC60794-1-2
- EN50173-1
- 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 thyrotropic 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
- Power wire support ac & dc
- Messenger wire provide by 7 × 0.53 mm.(1.6 mm.) stranded galvanize steelwire for tensile strength
- UV-resistant, black HOPE outer jacket

Optical Performances

Optical Transmission Performance	Singlemode	Multimode			
	1310/1383/1550/1625 nm	850/1300 nm			
	9/125um (OS2)	62.5/125 um (OM1)	50/125 um (OM2)	50/125 um (OM3)	50/125 um (OM4)
Max. Attenuation (dB/km)	0.36 / 0.36 / 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 Apature	0.13 ± 0.01	0.275 ± 0.015	0.200 ± 0.015	0.200 ± 0.015	0.200 ± 0.015

MECHANICAL PROPERTIES

	BC-XSXXDSW	
	4 – 12 Core	
Max. Tensile Load, Installation / Operation	1800 / 800	N
Max. Span Length	50	M
Max. Crush Resistance	3400	N / 10 cm
Conduction cross-sectional area	2.5	mm ²
Cable Diameter, approx.	8.2 ± 0.2	Mm
Overall Diameter, approx.	13.8 ± 0.5	Mm
Cable Weight, approx.	90 ± 10	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: OUTDOOR, CTV STRANDED DROP WIRE, ARMORED, POWER WIRE

Description	4 Core	6 Core	8 Core	12 Core
Singlemode, 9/125um. OS2	BC-9504DSW	BC-9506DSW	BC-9508DSW	BC-9512DSW
Multimode, 62.5/125um. OM1	BC-6504DSW	BC-6506DSW	BC-6508DSW	BC-6512DSW
Multimode, 50/125 um. OM2	BC-5504DSW	BC-5506DSW	BC-5508DSW	BC-5512DSW
XG Multimode, 50/125um. OM3	BC-4504DSW	BC-4506DSW	BC-4508DSW	BC-4512DSW
Multimode, 50/125um. OM4	BC-3504DSW	BC-3506DSW	BC-3508DSW	BC-3512DSW