

OUTDOOR, Armored, HDPE

DESCRIPTIONS / APPLICATIONS

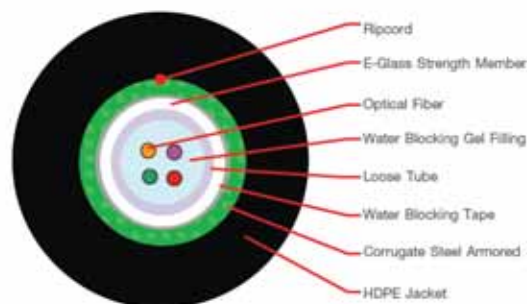
- BELLCOMMS Outdoor/ Armored, fiber optic cable special design used for campus backbone (inter-building), building backbone (intra-building). Together with outdoor and indoor installation
- Small diameter and lightweight design to save space inside duct
- Designed for direct burial, duct and lash – aerial installation
- 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 (Single mode)
- IEC 60793, IEC 60794-1-2
- EN 50173-1, TIS 2165-2548
- RoHS Compliant

FEATURES

- High Performances multimode (OM1, OM2, OM3 and OM4) and single mode (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 yarns as strength member (for 4-12)
- High Strength Steel Wire Central Strength Member provide for tensile strength (FRP available on Request) (for 24-48)
- Water blocking Tape provide for double protection and safety for outdoor environment
- Ripcord is easy to strip
- Corrugated steel tape coat with polymer provides rodent protection
- UV-resistant, Black HDPE outer jacket
- Multi-tube structure contain 24 – 144 core



BELLCOMMS
Single Tube 4 – 12 Cores



BELLCOMMS
Multi Tube 24 – 48 Cores

OPTICAL PERFORMANCES

Optical Transmission Performance	Singlemode 1310/1383/1550/1625	Multimode 850 / 1300nm			
	9 / 125 μ m (OS2)	62.5 / 125 μ m (OM1)	50 / 125 μ m (OM2)	50 / 125 μ m (OM3)	50 / 125 μ m (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
850nm Laser bandwidth (MHz/km)	N / A	N / A	N / A	2000	4700
Numerical Aperture	0.13 $\pm$ 0.01	0.275 $\pm$ 0.015	0.200 $\pm$ 0.015	0.200 $\pm$ 0.015	0.200 $\pm$ 0.015

MECHANICAL PROPERTIES

	Single Tube 4 – 12 Core	Multi Tube 24 – 48 Core	N-N / 10 cm
Max. Tensile Load, Installation / Operation	2700 / 1000	2700 / 1500	mm
Max. Crush Resistance	4400	4400	kg/cm
Cable Diameter, approx	10.0 $\pm$ 0.5	10.5 – 11.5	Cable Diameter
Cable Weight, approx	90 $\pm$ 10	110 – 130	
Min. Bending Radius, Installation / Operation	15x / 10x	20x / 10x	
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	8 Core	12 Core	24 Core
Single mode, 9 / 125 μ m, OS2	BELL-SMA09U04C	*BELL-SMA09U06C	BELL-SMA09U08C	*BELL-SMA09U12C	BELL-SMA09U24C
Multimode, 62.5 / 125 μ m, OM1	BELL-MMA62U04C	BELL-MMA62U06C	BELL-MMA62U08C	BELL-MMA62U12C	BELL-MMA62U24C
Multimode, 50 / 125 μ m, OM2	BELL-MMA50U04C	*BELL-MMA50U06C	BELL-MMA50U08C	*BELL-MMA50U12C	BELL-MMA50U24C
XG Multimode, 50 / 125 μ m, OM3	BELL-MMAXG50U04C	BELL-MMAXG50U06C	BELL-MMAXG50U08C	*BELL-MMAXG50U12C	BELL-MMAXG50U24C
Multimode, 50/125 μ m, OM4	BELL-MMAM45U04C	BELL-MMAM45U06C	BELL-MMAM45U08C	BELL-MMAM45U12CM4	BELL-MMAM45U24C

* Best Seller product.