

Outdoor / Indoor, All-Dielectric, LSZH-FR

DESCRIPTIONS / APPLICATIONS

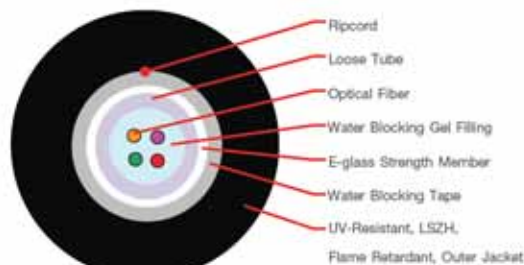
- BELLCOMMS Outdoor/Indoor, fiber optic cable special design used for campus backbone (inter-building), building backbone (intra-building), together with outdoor and indoor installation
- Small diameter and lightweight design to save space inside duct
- Designed for duct and lash – aerial installation
- Support IEEE802.3 (LAN, Ethernet, Fast Ethernet,
- Gigabit Ethernet and 10G Ethernet] ATM, FDDI, Fiber Channel, CATV, CCTV, FTTX or other

STANDARDS

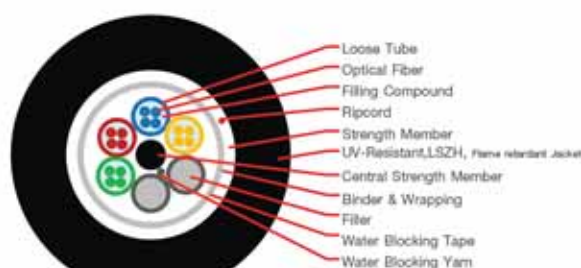
- ISO/IEC 11801 : 2002
- ANSI/TIA/EIA-568-B.3, ANSI/TIA-568-C.3
- Telcordia (Bellcore) GR-20-CORE, GR-409-CORE
- ANSI/ICEA 696, ANSI/ICEA 596
- ITU-T G.651 (Multimode)
- ITU-T G.652D (Singlemode)
- IEC 60332-3, IEC 60332-1
- IEC 61034-2, IEC 60754-2
- IEC 60793, IEC 60794-1-2, EIA-455
- EN 50173-1
- RoHS Compliant

FEATURES

- High Performances (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 Single Tube)
- FRP Central Strength Member provide for strength (for Multi Tube)
- Water blocking Tape for double protection and safety for outdoor environment
- Ripcord is easy to strip
- UV-resistant, Flame-Retardant Black PE with LSZH (Low Smoked Zero Halogen) outer jacket
- Multi-tube structure contain 24 – 144 cores



Single Tube 4 – 12 Core



Multi Tube 24 – 48 Core

OPTICAL PERFORMANCES

Optical Transmission Performance	Singlemode 1310/1383/1550/1625	Multimode 850 / 1300nm			
	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)	0.36 / 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 ± 0.01	0.275 ± 0.015	0.200 ± 0.015	0.200 ± 0.015	0.200 ± 0.015

MECHANICAL PROPERTIES

	Single Tube 4 – 12 Core	Multi Tube 24 – 48 Core	N-N / 10 cm
Max.Tensile Load, Installation / Operation	2700 / 600	2700 / 1000	mm
Max. Crush Resistance	2,200	2,200	kg / km
Cable Diameter, approx	9.4 ± 0.5	10.6 – 11.6	Cable Diameter
Cable Weight, approx	92 ± 10	112 – 130	
Min. Bending Radius, Installation / Operation	15x / 10x	20x / 10x	
Installation / Operation Temperature	-40°C to +75°C	-40°C to +70°C	
Storage / Shipping Temperature	-40°C to +75°C	-40°C to +70°C	

PART NUMBER

Description	4 Core	6 Core	8 Core	12 Core	24 Core
Single mode, 9 / 125 μm, OS2	BELL-SMD09U04C	*BELL-SMD09U06C	BELL-SMD09U08C	*BELL-SMD09U12C	BELL-SMD09U24C
Multimode, 62.5 / 125 μm, OM1	BELL-MMD62U04C	BELL-MMD62U06C	BELL-MMD62U08C	BELL-MMD62U12C	BELL-MMD62U24C
Multimode, 50 / 125 μm, OM2	BELL-MMD50U04C	*BELL-MMD50U06C	BELL-MMD50U08C	*BELL-MMD50U12C	BELL-MMD50U24C
XG Multimode, 50 / 125 μm, OM3	BELL-MMDXG50U04C	BELL-MMDXG50U06C	BELL-MMDXG50U08C	*BELL-MMDXG50U12C	BELL-MMDXG50U24C
Multimode, 50/125 μm, OM4	BELL-MMDM450U04C	BELL-MMDM450U06C	BELL-MMDM450U08C	BELL-MMDM450U12C	BELL-MMDM450U24C

* Best Seller product.