

FIG.8, OUTDOOR / MULTI-TUBE
FIG.8, OUTDOOR / MULTI-TUBE / ARMORED

DESCRIPTIONS / APPLICATIONS

- BELLCOMMS FIG.8, Outdoor/multi-tube, 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
- Designed for aerial installation with stranded suspension wire
- Support IEEE802.3 (LAN, Ethernet, Fast Ethernet, Gigabit Ethernet and 10G Ethernet) ATM, FDDI, Fiber Channel, CATV, CCTV, FTTH 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 EIA - 445
- EN 50173-1, TIS 2166 - 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
- High Strength Steel Wire Central Strength Member provide for tensile strength (FRP available on Request with FRP and Steel Wire)
- Water blocking yarns & Tape for double protection and safety for outdoor environment
- Corrugated steel tape coat with polymer provides rodent protection (for Armored cable)
- Ripcord is easy to strip
- Suspension wire provide by 7 x 1.2 mm. stranded galvanize steel wire for tensile strength
- UV-resistant, black HDPE outer jacket. Up to 144 cores



OPTICAL PERFORMANCES

Optical Transmission Performance	Singlemode	Multimode			
	1310/1383/1550/1625	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 Apature	0.13 ± 0.01	0.275 ± 0.015	0.200 ± 0.015	0.200 ± 0.015	0.200 ± 0.015

MECHANICAL PROPERTIES

	Non-Armored 7 - 72 Core	Armored 24 - 72 Core	
Max.Tensile Load, Installation / Operation	7000 / 4000	7000 / 4000	N
Max. Spen Length	80	80	m
Max. Crush Resistance	2200	4400	N / 10 cm
Cable Diameter, approx	9.8 - 10.8	10.5 - 12.0	mm
Cable Weight, approx	18.7 - 19.7	19.3 - 20.8	mm
Overall Diameter, approx	165 - 185	212 - 261	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	24 Core Non-armored	48 Core Non-armored	60 Core Non-armored	72 Core Non-armored
Single mode, 9 / 125 μm, OS2	BC-MTN9824	BC-MTN9848	BC-MTN9860	BC-MTN9872
Multimode, 62.5 / 125 μm, OM1	BC-MTN6824	BC-MTN6848	BC-MTN6860	BC-MTN6872
Multimode, 50 / 125 μm, OM2	BC-MTN5824	BC-MTN5848	BC-MTN5860	BC-MTN5872
XG Multimode, 50 / 125 μm, OM3	BC-MTN5824XG	BC-MTN5848XG	BC-MTN5860XG	BC-MTN5872XG
Multimode, 50/125 μm, OM4	BC-MTN5824M4	BC-MTN5848M4	BC-MTN5860M4	BC-MTN5872M4
	Armored	Armored	Armored	Armored
Single mode, 9 / 125 μm, OS2	BC-MTA9824	BC-MTA9848	BC-MTA9860	BC-MTA9872
Multimode, 62.5 / 125 μm, OM1	BC-MTA6824	BC-MTA6848	BC-MTA6860	BC-MTA6872
Multimode, 50 / 125 μm, OM2	BC-MTA5824	BC-MTA5848	BC-MTA5860	BC-MTA5872
XG Multimode, 50 / 125 μm, OM3	BC-MTA5824XG	BC-MTA5848XG	BC-MTA5860XG	BC-MTA5872XG
Multimode, 50/125 μm, OM4	BC-MTA5824M4	BC-MTA5848M4	BC-MTA5860M4	BC-MTA5872M4

* Best Seller product.