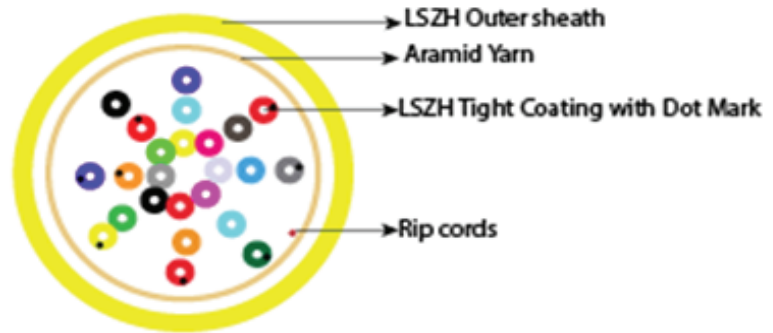
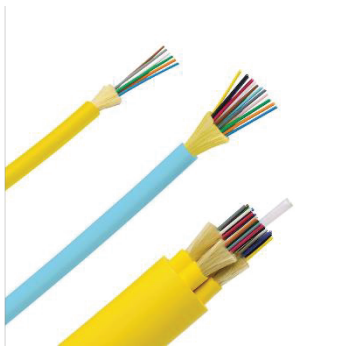


TIGHT BUFFER INDOOR LSZH FIBER OPTIC CABLE



DESCRIPTION

Datacom fiber optic cable is designed for installation in riser and horizontal environments and interbuilding backbone structures. Datacom tight buffered cable is available with standard multimode, single mode fiber 900 μm buffered fibers surrounded by aramid yarns. Sheathed using a special, state-of-the-art polymer material. All dielectric construction.

APPLICATION

- Datacom tight buffered cable is intended for all high speed data applications
- Including: ETHERNET: 10BASE – 400GBASE(100BASE, 1000BASE, 10GBASE, 40GBASE, 100GBASE, 400GBASE)
- These cables are specifically designed for indoor applications, mainly used in intra-building backbones
- Routing between telecommunications rooms and as a riser cable in Multi-Story buildings
- LAN & WAN networking
- Telecommunications
- Audio / Video System
- Security System

STANDARDS COMPLIANCE

- International EN 50173; ISO/IEC 11801
- National ANSI/ICEA S-83-596;
- ANSI/TIA-568.3-D;
- Telcordia GR-409

FEATURES

- 900 Microns Tight buffered fibres support fast field installations.
- LSZH Tight Coating, 900 microns nominal.
- High Modulus, Aramid yarn as a peripheral strength member.
- LSZH Outer sheath, YELLOW
- Reduce installation time and costs.
- Easy jacket removal using standard tools.
- Flexible and Fire-retardant outer sheath with aramid yarns as tensile elements help in easy installation in space-constrained areas.
- LSZH sheath makes the cable suitable for higher fire safety requirements.
- Small cable diameter & lightweight
- Requires no grounding or bonding due to all-dielectric construction.

TIGHT BUFFER INDOOR LSZH FIBER OPTIC CABLE

MECHANICAL CHARACTERISTICS	
Temperature Range (IEC 60794-1-2-F1)	
Installation Temperature	-10° to +60°C
Operation Temperature	-20° to +70°C
Transport and Storage Temperature	-20° to +70°C
Transport and Storage Temperature	-20° to +70°C
Tensile Force (IEC 60794-1-2-E1)	1000 N
Cable Bending Radius (IEC 60794-1-2-E11 A)	20 x D, D=Cable Diameter
Repeated Bending (IEC 60794-1-2-E6)	25 Cycle, r= 20 X D, D = Cable Diameter
Impact Resistance (IEC 60794-1-2-E4)	12J
Tensile Force	600 N
Crush Resistance 2F & 4F (IEC 60794-1-2-E3)	300N/10cm
Crush Resistance 6F, 8F & 12F (IEC 60794-1-2-E3)	600N/10cm
Kink Resistance (IEC 60794-1-2-E10)	10 x D, D = Cable Diameter
Flame Test	IEC 60332-1-2

CABLE PHYSICAL CHARACTERISTICS						
Fibre Count	2	4	6	12	24	48
Number of Fibers in a Tight Buffer	1	1	1	1	1	1
Number of Tight Buffer	2	4	6	12	24	48
Cable Diameter (mm)	4.8	5.5	6.0	6.8	9.0	11.0
Tolerance ± (mm)	0.4	0.4	0.5	0.5	0.5	0.5
Nominal Cable Weight (kg/km)	24	30	35	42	75	110
Standard Length (meters)	2000 ± 10%					

COLOUR CODING (Color of Fibers in a Tube)		
6F Cable	Without Dot Mark	Blue, Orange, Green, Brown, Slate, White
12F Cable	Without Dot Mark	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua
24F Cable	Without Dot Mark	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose & Aqua
	With Black Dot Mark	Blue, Orange, Green, Brown, Slate, White, Red, Light Green, Yellow, Violet, Rose & Aqua
48F Cable	Without Dot Mark	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose & Aqua
	With One Black Dot Mark	Blue, Orange, Green, Brown, Slate, White, Red, Yellow, Violet, Rose & Aqua
	With One White Dot Mark	Black
	With Two Black Dot Mark	Blue, Orange, Green, Brown, Slate, White, Red, Yellow, Violet, Rose & Aqua
	With Two White Dots Mark	Black
	With Three Black Dots Mark	Blue, Orange, Green, Brown, Slate, White, Red, Yellow, Violet, Rose & Aqua
	With Three White Dots Mark	Black

CABLE TRANSMISSION CHARACTERISTICS	
Attenuation at 1310 nm (dB/Km)	≤ 0.35
Attenuation at 1550 nm (dB/Km)	≤ 0.22
Attenuation at 1625 nm (dB/Km)	≤ 0.25

ORDERING INFORMATION

Description

Datacom Tight Buffer aramid yarn Indoor Cable-LSZH

Part No.

DC-FO-XX-TBYY-INZH-BB

** XX= Number of cores, value ranges from (04-24), YY= 09 (Single mode) 50 (Multimode), BB= 7A (Single mode), M3 (OM3), M4 (OM4)