

Specialized Optical Cables for Metro & Rapid Transit System

NON METALLIC DUCT CABLE (LSZH SHEATH)

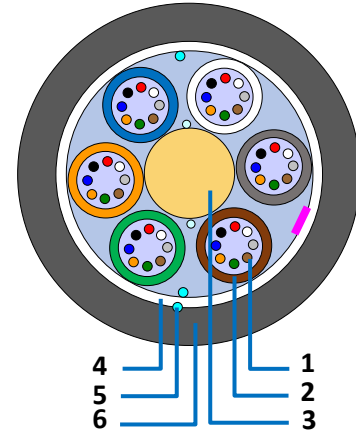
The Optical fibres are housed in loose tubes that are made up of high-modulus plastic and filled with thixotropic jelly. The tubes (and fillers) are stranded around the central strength member to form a cable core. The core is covered by water-blocking tape and yarns. Finally, a LSZH outer sheath is extruded to make the cable structure complete.

Applications

Multi-purpose Indoor, Duct installation

Cable Structure

1. Optical Fibers
2. Loose tube with gel
3. FRP as Central Strength member
4. Water blocking tape
5. Yarns
6. LSZH outer jacket



Features

- Choice of fiber type
- Light weight
- Used within building installation
- Complete dielectric



Specification

Fiber Count	Part Number	Fiber per Tube/Tube Count	Nominal Outer Dia (mm)	Weight (kg/km) Approx.	Tensile Strength (N)	Crush Strength (N)	Min. Bend Radius Operation (mm)	Min. Bend Radius Installation (mm)
4	PC-OFC-01LZ-SM-01-004	4/1	10.4	116	2200	1800	10 x OD	20 x OD
6	PC-OFC-01LZ-SM-01-006	6/1	10.4	116	2200	1800	10 x OD	20 x OD
8	PC-OFC-01LZ-SM-01-008	8/1	10.4	117	2200	1800	10 x OD	20 x OD
12	PC-OFC-01LZ-SM-01-012	12/1	10.4	117	2200	1800	10 x OD	20 x OD
24	PC-OFC-01LZ-SM-01-024	12/2	10.4	118	2200	1800	10 x OD	20 x OD
36	PC-OFC-01LZ-SM-01-036	12/3	10.4	119	2200	1800	10 x OD	20 x OD
48	PC-OFC-01LZ-SM-01-048	12/4	10.4	120	2200	1800	10 x OD	20 x OD
72	PC-OFC-01LZ-SM-01-072	12/6	10.4	122	2200	1800	10 x OD	20 x OD

*Specifications are subjected to change without any prior notice

Temperature Range	
Storage	-40 °C to 70 °C (-40 °F to 158 °F)
Installation	-30 °C to 70 °C (-22 °F to 158 °F)
Operating	-30 °C to 70 °C (-22 °F to 158 °F)

Fiber Attributes		
Fiber Name	Single Mode (G.652.D)	Single Mode (G.657.A1)
Wavelengths (nm)	1310/1383/1550	1310/1550/1625
Maximum Attenuation(dB/km)	0.4/0.4/0.25	0.35/0.21/0.23

* Standard in Compliance: IEC 60793, IEC 60794. For detail specification, consult technical department of Premier Cables (Pvt) Ltd.

Note:

- * Cable marking as per customer requirement.
- * Delivery length available in 2km and 4km or as per requirement.