

## Specialized Optical Cables for Metro & Rapid Transit System

### MULTIPLE ARMORED DIRECT BURIED CABLE (LSZH)

The Optical fibers 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 (Metallic or Non-metallic) to form a cable core. The core is covered by water-blocking tape and yarns. Inner sheath is extruded over the cable core. Then a double layer corrugated steel tape is used between intermediate and final jackets to enhance the strength and crush resistance of cable.

#### Applications

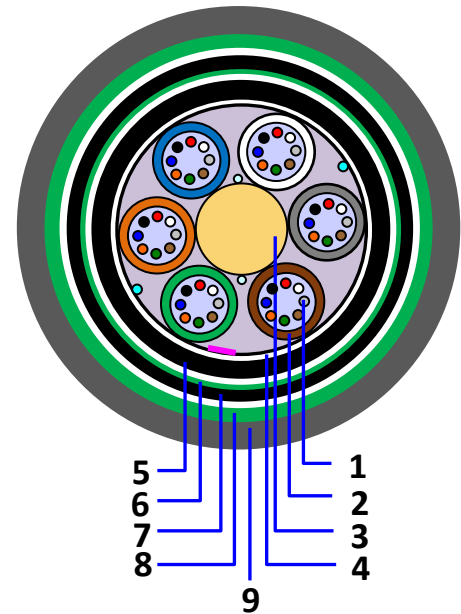
Multi-purpose Outdoor, Direct Buried, Long-Haul Networks

#### Cable Structure

1. Optical Fibers
2. Loose tube with gel
3. FRP as Central Strength member
4. Water blocking tape
5. PE Inner Jacket
6. Steel Armoring
7. Intermediate Sheath
8. Steel Armoring
9. LSZH Outer Jacket

#### Features

- Choice of fiber type
- High crush resistant
- Rodent resistant
- LSZH Sheath



#### 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)
12	PC-OFC-08-SM-01-012	12/1	19.4	410	4000	3000	10 x OD	20 x OD
16	PC-OFC-08-SM-01-016	8/2	19.4	412	4000	3000	10 x OD	20 x OD
24	PC-OFC-08-SM-01-024	12/2	19.4	414	4000	3000	10 x OD	20 x OD
36	PC-OFC-08-SM-01-036	12/3	19.4	416	4000	3000	10 x OD	20 x OD
48	PC-OFC-08-SM-01-048	12/4	19.4	418	4000	3000	10 x OD	20 x OD
72	PC-OFC-08-SM-01-072	12/6	19.4	418	4000	3000	10 x OD	20 x OD
96	PC-OFC-08-SM-01-096	12/8	20.4	460	4000	3000	10 x OD	20 x OD
144	PC-OFC-08-SM-01-144	12/12	23.2	555	4000	3000	10 x OD	20 x OD

\*Specifications are subjected to change without any prior notice

Temperature Range		Fiber Attributes		
Storage	-40 °C to 70 °C (-40 °F to 158 °F)	Fiber Name	Single Mode (G.652.D)	NZDSF (G.655C)
Installation	-30 °C to 70 °C (-22 °F to 158 °F)	Wavelengths (nm)	1310/1383/1550	1383/1550/1625
Operating	-30 °C to 70 °C (-22 °F to 158 °F)	Maximum Attenuation(dB/km)	0.4/0.4/0.25	0.4/0.21/0.22

\* 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.