

Specialized Optical Cables for Metro & Rapid Transit System

SPECIALIZED NON-METALLIC DIRECT BURIED CABLE

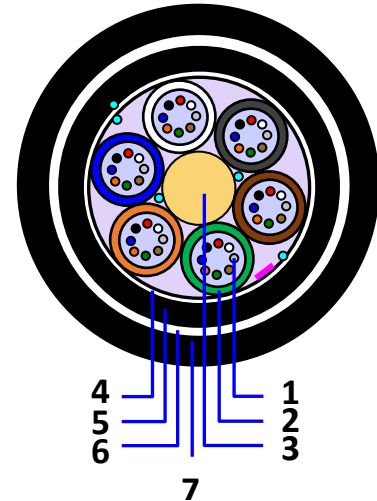
The Optical fibers are housed in loose tubes that are made up of high-modulus plastic and filled with thixotropic jelly. The tubes (and fillers) are stranded around the central strength member to form a cable core. The core is covered by water-blocking tape and yarns. PE inner sheath is extruded over the cable core. Glass roving is used as an armoring of cable. Finally, PE jacket is extruded to complete the cable structure.

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. Glass yarns
7. PE Outer Jacket



Features

- Choice of fiber type
- High crush resistant
- Rodent resistant
- PE/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)
8	PC-OFC-04-SM-01-008	8/1	18	284	4000	2500	10 x OD	20 x OD
12	PC-OFC-04-SM-01-012	12/1	18	284	4000	2500	10 x OD	20 x OD
16	PC-OFC-04-SM-01-016	12/2	18	285	4000	2500	10 x OD	20 x OD
24	PC-OFC-04-SM-01-024	12/2	18	286	4000	2500	10 x OD	20 x OD
36	PC-OFC-04-SM-01-036	12/3	18	287	4000	2500	10 x OD	20 x OD
48	PC-OFC-04-SM-01-048	12/4	18	288	4000	2500	10 x OD	20 x OD
72	PC-OFC-04-SM-01-072	12/6	18	291	4000	2500	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)	NZDSF (G.655C)
Wavelengths (nm)	1310/1383/1550	1383/1550/1625
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.