

Premier Ultra Outdoor Optical Cables

STRANDED OUTDOOR DOUBLE JACKET SINGLE ARMORED 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 (Metallic or Non-metallic) to form a cable core. The core is covered by water-blocking tape and yarns. PE inner sheath is extruded over the cable core. Then a longitudinally copolymer steel tape is used and then finally PE jacket is extruded to complete the cable structure.

Applications

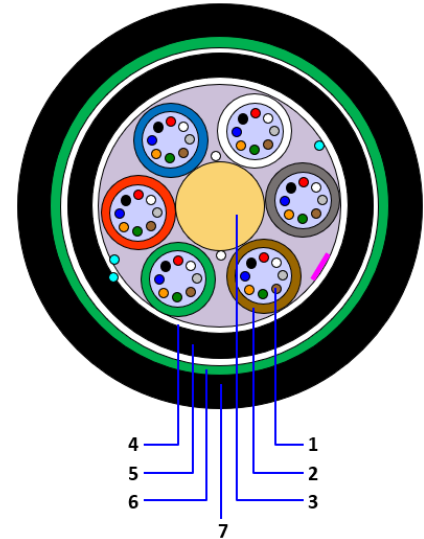
Multi-purpose Outdoor, Direct Buried, Long Haul Networks

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. Steel Armoring
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)
4	PC-OFC-09-SM-01-004	4/1	14.5	207	3000	2500	10 x OD	20 x OD
6	PC-OFC-09-SM-01-006	6/1	14.5	208	3000	2500	10 x OD	20 x OD
8	PC-OFC-09-SM-01-008	8/1	14.5	208	3000	2500	10 x OD	20 x OD
12	PC-OFC-09-SM-01-012	12/1	14.5	208	3000	2500	10 x OD	20 x OD
16	PC-OFC-09-SM-01-016	8/2	14.5	208	3000	2500	10 x OD	20 x OD
24	PC-OFC-09-SM-01-024	12/2	14.5	210	3000	2500	10 x OD	20 x OD
36	PC-OFC-09-SM-01-036	12/3	14.5	211	3000	2500	10 x OD	20 x OD
48	PC-OFC-09-SM-01-048	12/4	14.5	212	3000	2500	10 x OD	20 x OD
72	PC-OFC-09-SM-01-072	12/6	14.5	215	3000	2500	10 x OD	20 x OD
96	PC-OFC-09-SM-01-096	12/8	15.6	256	3000	2500	10 x OD	20 x OD
144	PC-OFC-09-SM-01-144	12/12	18.9	347	3000	2500	10 x OD	20 x OD
288	PC-OFC-09-SM-01-288	12/24	21.5	419	3000	2500	10 x OD	20 x OD
576	PC-OFC-09-SM-01-576	24/24	23.9	461	3000	2500	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.