

# Premier Ultra Outdoor Optical Cables

## STRANDED OUTDOOR SINGLE JACKET SINGLE ARMORED CABLE

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 (Metallic or Non-metallic) to form a cable core. The core is covered by water-blocking tape and yarns. Then a longitudinally copolymer steel tape is applied over the cable core. Finally, an outer PE or LSZH sheath is extruded.

### Applications

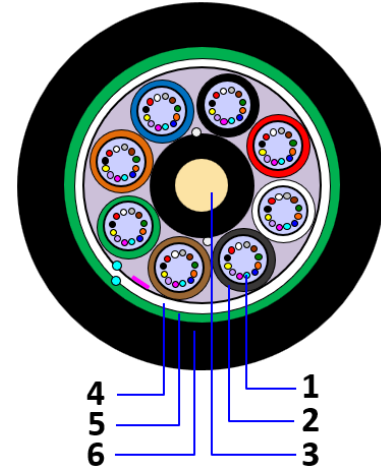
Multi-purpose Indoor/Outdoor - Aerial Lashed, Duct, Direct Buried

### Cable Structure

1. Optical Fibers
2. Loose tube with gel
3. FRP as Central Strength member
4. Water blocking tape
5. Steel Armoring
6. 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-08-SM-01-004	4/1	12.7	154	2700	2200	10 x OD	20 x OD
6	PC-OFC-08-SM-01-006	6/1	12.7	155	2700	2200	10 x OD	20 x OD
8	PC-OFC-08-SM-01-008	8/1	12.7	155	2700	2200	10 x OD	20 x OD
12	PC-OFC-08-SM-01-012	12/1	12.7	155	2700	2200	10 x OD	20 x OD
16	PC-OFC-08-SM-01-016	8/2	12.7	155	2700	2200	10 x OD	20 x OD
24	PC-OFC-08-SM-01-024	12/2	12.7	156	2700	2200	10 x OD	20 x OD
36	PC-OFC-08-SM-01-036	12/3	12.7	158	2700	2200	10 x OD	20 x OD
48	PC-OFC-08-SM-01-048	12/4	12.7	159	2700	2200	10 x OD	20 x OD
72	PC-OFC-08-SM-01-072	12/6	12.7	162	2700	2200	10 x OD	20 x OD
96	PC-OFC-08-SM-01-096	12/8	13.7	196	2700	2200	10 x OD	20 x OD
144	PC-OFC-08-SM-01-144	12/12	16.7	272	2700	2200	10 x OD	20 x OD
288	PC-OFC-08-SM-01-288	12/24	19.3	344	2700	2200	10 x OD	20 x OD
576	PC-OFC-08-SM-01-576	24/24	21.7	385	2700	2200	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.