

# Premier Ultra Outdoor Optical Cables

## STRANDED OUTDOOR ARMORED FIGURE-8 AERIAL CABLE

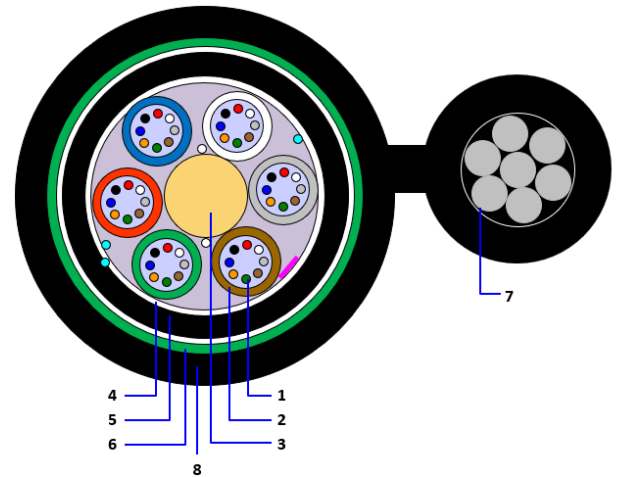
The Optical fibers are housed in loose tubes that are made up of high-modulus plastic and filled with thixotropic jelly. The tubes (and fillers) are stranded around the central strength member (Metallic or Non-metallic) to form a cable core. The core is covered by water-blocking tape and yarns. PE sheath is used as an inner jacket. Finally, a corrugated steel tape and messenger wire is used to make cable Figure-8 with final PE sheath.

### Applications

Outdoor, Aerial environment, long haul communication

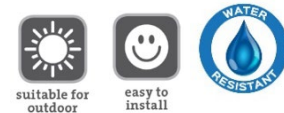
### Cable Structure

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. Messenger Wire
8. PE Outer Jacket



### Features

- Choice of fiber type
- High tensile strength
- Easy installation
- Cost effective



### Specification

Fiber Count	Part Number	Fiber per Tube/Tube Count	Nominal Outer Dia (WxH) mm	Weight (kg/km) Approx.	Tensile Strength (N)	Crush Strength (N)	Min. Bend Radius Operation (mm)	Min. Bend Radius Installation (mm)
8	PC-OFC-11-SM-01-008	8/1	14.5x21.7	262	4000	2500	10 x OD	20 x OD
12	PC-OFC-11-SM-01-012	12/1	14.5x21.7	262	4000	2500	10 x OD	20 x OD
24	PC-OFC-11-SM-01-024	12/2	14.5x21.7	264	4000	2500	10 x OD	20 x OD
36	PC-OFC-11-SM-01-036	12/3	14.5x21.7	265	4000	2500	10 x OD	20 x OD
48	PC-OFC-11-SM-01-048	12/4	14.5x21.7	267	4000	2500	10 x OD	20 x OD
72	PC-OFC-11-SM-01-072	12/6	14.5x21.7	269	4000	2500	10 x OD	20 x OD
96	PC-OFC-11-SM-01-096	12/8	15.6x22.8	307	4000	2500	10 x OD	20 x OD
144	PC-OFC-11-SM-01-144	12/12	18.9x26.1	395	4000	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 or as per requirement.