

# Premier Ultra Outdoor Optical Cables

## STRANDED OUTDOOR UN-ARMORED FIGURE-8 AERIAL CABLE

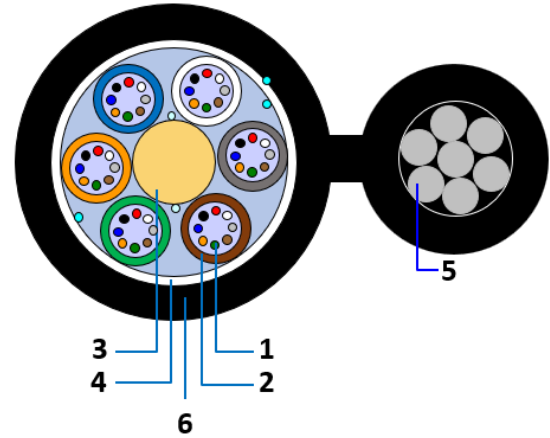
The Optical fibers are housed in loose tubes that are made up of high-modulus plastic and filled with thixotropic jelly. The tubes (and fillers) are stranded around the central strength member (Metallic or Non-metallic) to form a cable core. The core is covered by water-blocking tape and yarns. Finally, a messenger wire is used to make cable Figure-8 with 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. Messenger Wire
6. 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-13-SM-01-008	8/1	11.5x17.8	130	3500	2500	10 x OD	20 x OD
12	PC-OFC-13-SM-01-012	12/1	11.5x17.8	130	3500	2500	10 x OD	20 x OD
24	PC-OFC-13-SM-01-024	12/2	11.5x17.8	131	3500	2500	10 x OD	20 x OD
36	PC-OFC-13-SM-01-036	12/3	11.5x17.8	133	3500	2500	10 x OD	20 x OD
48	PC-OFC-13-SM-01-048	12/4	11.5x17.8	135	3500	2500	10 x OD	20 x OD
72	PC-OFC-13-SM-01-072	12/6	11.5x17.8	137	3500	2500	10 x OD	20 x OD
96	PC-OFC-13-SM-01-096	12/8	12.6x19.8	185	3500	2500	10 x OD	20 x OD
144	PC-OFC-13-SM-01-144	12/12	15.4x22.6	249	3500	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.