

Premier Ultra Outdoor Optical Cables

ALL DIELECTRIC SELF SUPPORT AERIAL CABLES

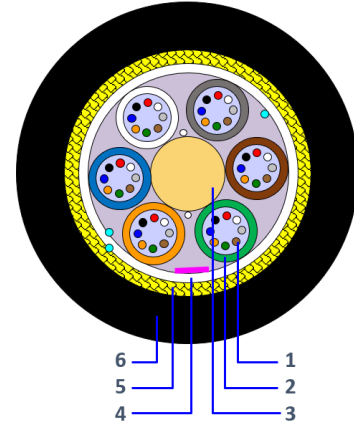
Optical fibres are housed in loose tubes that are made of high-modulus plastic and filled with thixotropic jelly. The tubes (and fillers) are stranded around the central strength member to form a cable core. The core is covered by water blocking tape and with aramid yarns to make cable high tensile. Finally, a PE outer sheath is extruded.

Applications

Outdoor, Aerial networks, Long Haul Networks

Cable Structure

1. Optical Fibers
2. Loose tube with gel
3. FRP as Central Strength member
4. Water blocking tape
5. Aramid yarns
6. PE Outer Jacket



Features

- Choice of fiber type
- High tensile strength
- Light weight
- Easy installation
- Small size compared to other aerial designs.



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-12-SM-01-008	8/1	12.3	106	4000	2500	10 x OD	20 x OD
12	PC-OFC-12-SM-01-012	12/1	12.3	106	4000	2500	10 x OD	20 x OD
16	PC-OFC-12-SM-01-016	12/2	12.3	107	4000	2500	10 x OD	20 x OD
24	PC-OFC-12-SM-01-024	12/2	12.3	108	4000	2500	10 x OD	20 x OD
36	PC-OFC-12-SM-01-036	12/3	12.3	109	4000	2500	10 x OD	20 x OD
48	PC-OFC-12-SM-01-048	12/4	12.3	111	4000	2500	10 x OD	20 x OD
72	PC-OFC-12-SM-01-072	12/6	12.3	114	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 and 4km or as per requirement.