

Optical Cables for Underdeveloped Areas

UNI-TUBE ARMORED CABLE

The Optical fibers are housed in loose tubes that are made up of high-modulus plastic and filled with thixotropic jelly. Water blocking yarns are used longitudinally and helically to prevent the cable from water ingress. Copolymer coated steel tape is used to provide crush resistance to cable. Two parallel steel wires as strength members are embedded in the PE/LSZH sheath is the extra feature of the cable.

Applications

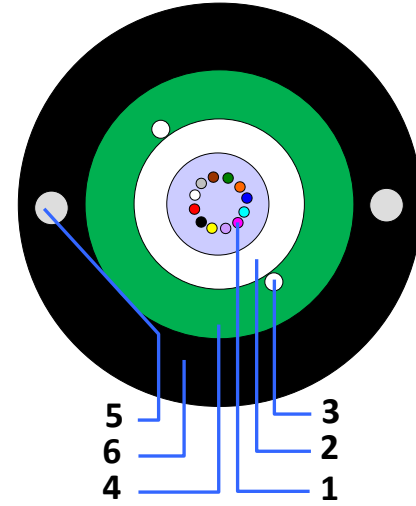
Suitable for external application in ducts, Aerial, Indoor applications

Cable Structure

1. Optical Fibers
2. Loose tube with gel
3. Water blocking yarns
4. Steel Tape
5. Parallel Steel Wires
6. PE/LSZH jacket

Features

- Choice of fiber type
- Good crush resistant
- Light weight
- Used within building installation
- 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)
2	PC-OFC-14-SM-01-002	2/1	9.2	80	1200	1500	10 x OD	20 x OD
4	PC-OFC-14-SM-01-004	4/1	9.2	80	1200	1500	10 x OD	20 x OD
6	PC-OFC-14-SM-01-006	6/1	9.2	80	1200	1500	10 x OD	20 x OD
8	PC-OFC-14-SM-01-008	8/1	9.2	80	1200	1500	10 x OD	20 x OD
12	PC-OFC-14-SM-01-012	12/1	9.2	81	1200	1500	10 x OD	20 x OD
24	PC-OFC-14-SM-01-024	24/1	10	105	2000	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)	Single Mode (G.657.A1)
Installation	-30 °C to 70 °C (-22 °F to 158 °F)	Wavelengths (nm)	1310/1383/1550	1310/1550/1625
Operating	-30 °C to 70 °C (-22 °F to 158 °F)	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 4km and 6km or as per requirement.