

# Optical Cables for Underdeveloped Areas

## NON-METALLIC UNI-TUBE FLAT DROP CABLE

Fiber drop cables are typically used between the fiber terminal and the building or home and available for various indoor or outdoor applications

The Optical fibers (02-12F) are housed in single loose tubes that are made up of high-modulus plastic and filled with thixotropic jelly. Two parallel Fiber reinforced plastic (FRP) are used to give extra strength and flexibility to cable. PE jacket is extruded to make the cable structure flat shape.

### Applications

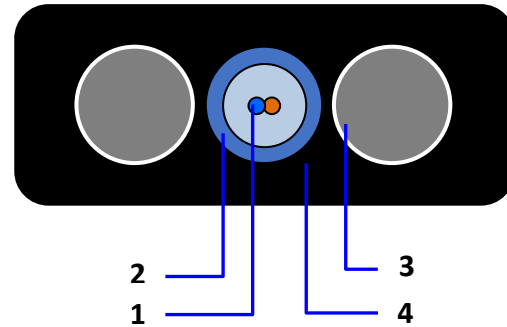
Suitable for indoor, drop application

### Cable Structure

1. Optical Fibers
2. Loose tube with gel
3. 2xFRP
4. PE jacket

### Features

- Choice of fiber type
- Good mechanical performance
- light weight
- Used within building installation
- Non-metallic



### Specification

Fiber Count	Part Number	Fiber per Tube/Tube Count	Nominal Outer Dia (HxW) mm	Weight (kg/km) Approx.	Tensile Strength (N)	Crush Strength (N)	Min. Bend Radius Operation (mm)	Min. Bend Radius Installation (mm)
2	PC-OFC-06-SM-01-002	2/1	4.2X7.4	32	1200	1000	10 x OD	20 x OD
4	PC-OFC-06-SM-01-004	4/1	4.2X7.4	32	1200	1000	10 x OD	20 x OD
6	PC-OFC-06-SM-01-006	6/1	4.2X7.4	32	1200	1000	10 x OD	20 x OD
8	PC-OFC-06-SM-01-008	8/1	4.2X7.4	32	1200	1000	10 x OD	20 x OD
12	PC-OFC-06-SM-01-012	12/1	4.2X7.4	33	1200	1000	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.