

## Anti-rodent/Anti-termite Optical Cable

### NON-METALLIC ANTI-RODENT OPTICAL CABLE

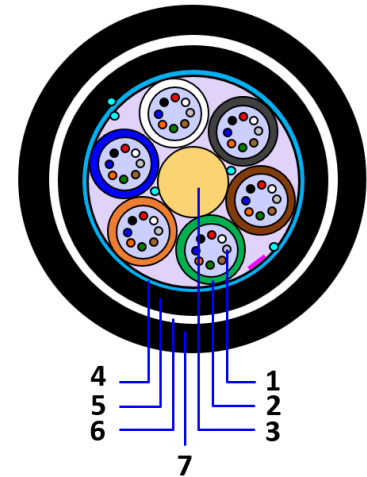
This cable is designed with physical and chemical anti-rodent methods. The Optical fibers are housed in loose tubes that are made up of high-modulus plastic and filled with thixotropic jelly. The tubes (and fillers) are stranded around the central strength member to form a cable core. The core is covered by water-blocking tape and yarns. PE inner sheath is extruded over the cable core. Anti-rodent glass yarn roving is used to prevent cable from rodent biting. Finally, anti-rodent PE jacket is extruded to complete the cable structure.

#### Applications

Multi-purpose Outdoor, Direct Buried, Long-Haul Networks

#### 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. Anti-rodent glass yarns
7. Anti-rodent PE Outer Jacket



#### Features

- Choice of fiber type
- High crush resistant
- Rodent resistant
- Complete dielectric design, applicable to lightning prone areas
- Anti-rodent sheath providing the chemical anti-rodent performance, which effectively delays the diffusion of anti-rodent additives to protect working environment and construction safety



#### 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)
8	PC-OFC-04-SM-01-008	8/1	18	284	4000	2500	10 x OD	20 x OD
12	PC-OFC-04-SM-01-012	12/1	18	284	4000	2500	10 x OD	20 x OD
16	PC-OFC-04-SM-01-016	12/2	18	285	4000	2500	10 x OD	20 x OD
24	PC-OFC-04-SM-01-024	12/2	18	286	4000	2500	10 x OD	20 x OD
36	PC-OFC-04-SM-01-036	12/3	18	287	4000	2500	10 x OD	20 x OD
48	PC-OFC-04-SM-01-048	12/4	18	288	4000	2500	10 x OD	20 x OD
72	PC-OFC-04-SM-01-072	12/6	18	291	4000	2500	10 x OD	20 x OD

\*Specifications are subjected to change without any prior notice

Temperature Range	
Storage	-40 °C to 70 °C (-40 °F to 158 °F)
Installation	-30 °C to 70 °C (-22 °F to 158 °F)
Operating	-30 °C to 70 °C (-22 °F to 158 °F)

Fiber Attributes		
Fiber Name	Single Mode (G.652.D)	NZDSF (G.655C)
Wavelengths (nm)	1310/1383/1550	1383/1550/1625
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.