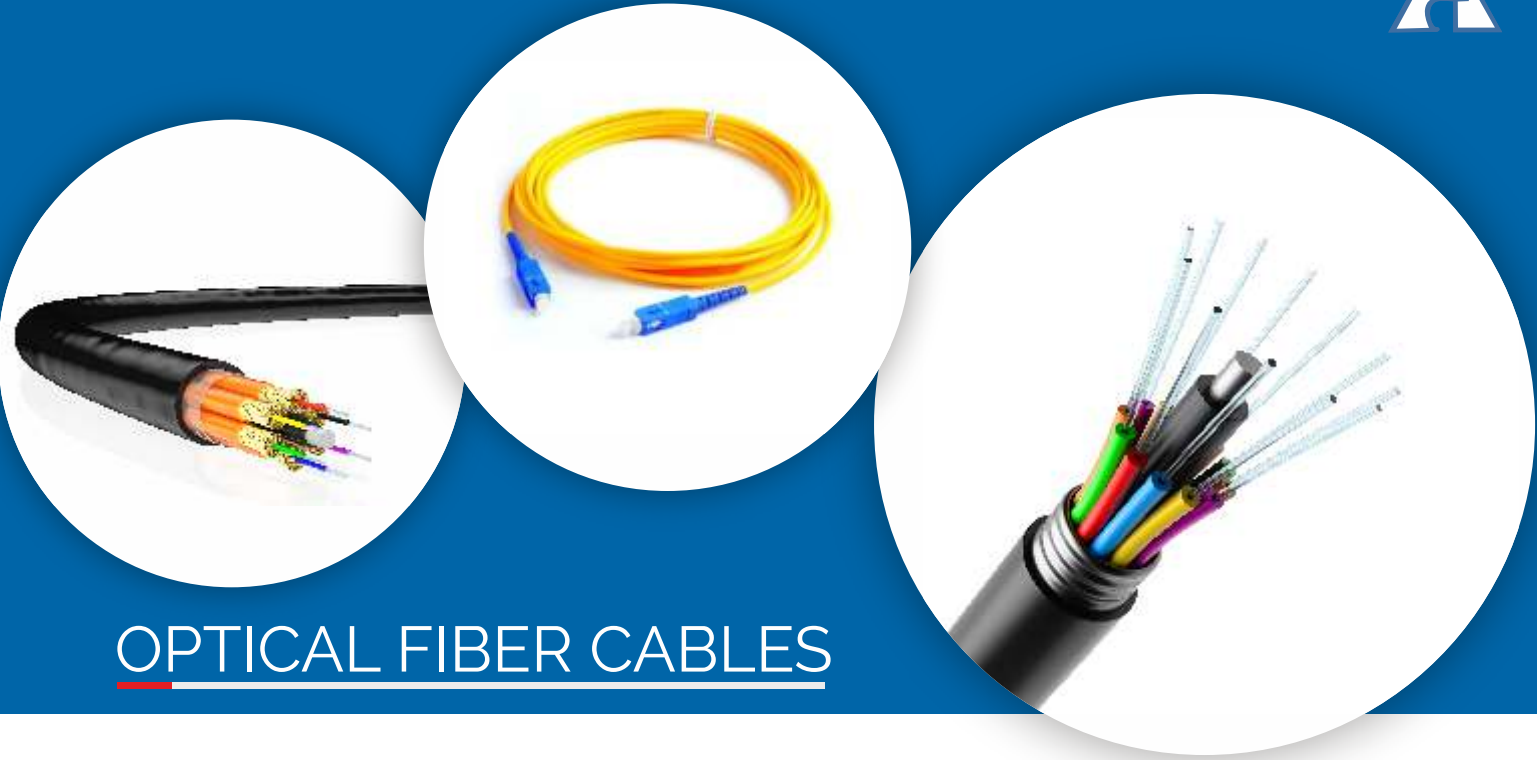


# Optical Fiber Cables



# OPTICAL FIBER CABLES

- **Operating Voltage:** -20°C to +70°C or as per requirement
- **Fibre Colour:** Complying to ITU -T : G-652 / G-657 A Fibers
- **Size range:** 1F to 96F
- **Loose Tube:** PBT Tube filled with Thixotropic jelly / Tight buffering
- **Loose Tube dia:**  $2.2 \pm 0.2\text{mm}$
- **Core Wrapping:** Water blocking tape ( If required )
- **Rip cord:** If required
- **Armour:** ECCS tape ( If required )
- **Sheath Variants:** HDPE/LSZH/TPE/TPU/Nylon
- **Standard length:** 500/1000/2000mtrs  $\pm 10\%$
- **Optical Performance G-652 / G657A:** Attenuation checked at 1310nm [dB/Km] & 1550nm [dB/Km]
- **Categories Offered:**  
Single Mode and Multi Mode fiber cables in Unitube and Multitube designs, with G652D, G652A1, G652A2, OM1, OM2, OM3, & OM4 options.  
Available in Armoured and Unarmoured variants for indoor and outdoor use
- Simplex, Duplex, Pigtail, ADSS, Aerial, Fig 8 cables are also in our manufacturing range

## INSTALLATION DO'S AND DONT'S

**Cable has to be inspected before installation for the following :-**

- If any damage is found in the cable, then it should be checked and reported to Advance Cables before laying.
- Check the inner and outer end of cable for end cap.
- Verify total Length, Drum Number and Fibre count marked on the cable.
- Check with OTDR the fibre continuity and length.

**Care has to be taken during installation for the following :-**

- Mount the cable over a pair of jacks through a shaft, before take up the cable out.
- Cables should be unwound with normal speed of 10 to 15mtr/min.
- While removing cable, check for nails or other sharp edges and avoid cable damage.
- It should be pulled with normal force exerted by one person normally 30 to 40Kgs Max Force. Because while pulling with too much excessive force as it may cause fibre break.
- Cable should not be bent more than 30 times the diameter of cable, during unwinding.
- Ensure there is no kink formation during installation, as it will cause fibre break and increase attenuation.
- Joint closure boxes should be mounted on the pole or tree and don't leave it hanging in the air.
- For better performance of signal ,use good quality and correct size of joint closure box.
- Make joint closure tight with the help of heat shrinkable sleeves.
- Tie the cable firmly with the cable clamp.
- Before splicing with other cable, check the fibre continuity and record the attenuation

## APPLICATIONS

- Telecommunications
- Data Transmission & Networking
- Sensors, Fibre Channel (CATV, Multimedia)
- Industrial Applications etc



## **ADVANCE CABLE TECHNOLOGIES PVT LTD**

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### **MANUFACTURING FACILITIES**

#### **Unit - 1**

Plot No. 10 & 14,  
KIADB Industrial Area,  
Bashettihalli,  
Doddaballapur Industrial Area,  
Bangalore - 561203

#### **Unit - 2**

Plot No. 20 P2, SY No. 79(P)  
Veerapura Village,  
Doddaballapur Industrial Area,  
Bangalore - 561203

#### **Unit - 3**

SW 32 & 33 (P1), A - P II Phase,  
Kasaba Hobli  
Doddaballapur Industrial Area,  
Bangalore - 561203