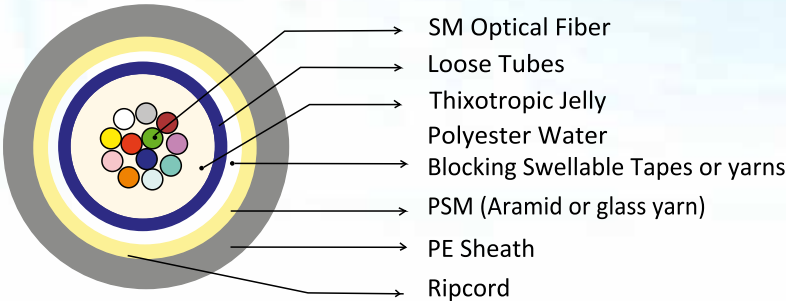


Cable Construction

Cable cross-section



Cable structure and parameter

No. of Fibers	Cable Outer Sheath Thickness
	mm
4	1.5 ± 0.2
8	1.5 ± 0.2
12	1.5 ± 0.2
24	1.5 ± 0.2

Cable Design

- Fiber:

The Cable is based on Multimode OM1,OM2 OM3 or Single Mode Fiber as per ITU-T G.652.D, G657, G655 specifications, (Hybrid Cable)
- Loose Tube:

Polybutylene Terephthalate (PBT)
- Filling Compound:

Loose Tube is filled with Thixotropic Jelly Filled in each tube, the filling compound gives protection to the fiber in case of strains etc
- Peripheral Strength:

Glass Yarns or aramid yarns will be used to give extra strength to the cable
- Outer Sheath:

HDPE/MDPE

Further details of the fiber material and mechanical/environmental characteristics are also available in the Catalogue.

Fiber Color Code is as per given specification

No.	1	2	3	4	5	6	7	8	9	10	11	12
Color	Blue	Orange	Green	Brown	Grey	White	Red	Black	Yellow	Violet	Pink	Aqua

If 24 Fiber tube required, ring marked fibers will be used.

Color Code for Loose Tube (LT) is as per given specification

No.	1
Color	Any Standard color tube

Any other specific color coding can also be used as per customer requirement.

Printing / Marking

Sheath Marking as below or as required.

ATC – YEAR – XXXXX – XXX FIBER XX MONO-TUBE OFC – XXXX	
Mono Tube OFC	: Multimode or Single Mode MONO TUBE Type Optical Fiber Cable
XXXX	: Length of Marking (* The Marking is Printed every 1 meter)
XXX	: Number of Fibers
XXXXX	: Customer Name

The color of marking is **White / Yellow**.

The both cable ends are sealed with heat shrinkable end caps to prevent water ingress.

