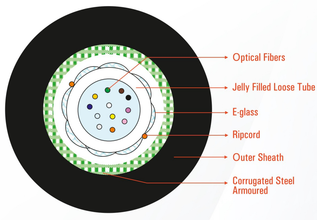
Optic Fiber Cable Armoured



APPLICATION

- Suitable for indoor/ Outdoor (duct) local area network system.
- Excellent water proof layer & good moisture resistance.
- Excellent crush resistant performance, light weight, compact structure.

DESCRIPTION

- Central loose tube with jelly compound.
- Glass yarns in between steel taps & loose tube.
- Corrugated steel tape armoured.

STANDARDS

- ISO 11801
- IEC 60793 - 1/60794- 1- 2
- ITU- T REC G.652D
- Telecordia GR- 20- core.

SPECIFICATION

Mechanical & Environment Characteristics:

Operating Temperature : - 20 deg C to +60 deg C

Storage Temperature : - 40 deg C to +60 deg C

Jacket Material : LSZH / HOPE

Color Code : BL-BLUE, RD-RED, OR-ORANGE, BK-BLACK GR-GREEN, YE-YELLOW, BR-BROWN GY-GREY, WH-WHITE, PU-PURPLE, PI-PINK

Fiber Count	Outer Diameter (mm)	Thickness of Jacket (mm)	Nominal Cable Weight (kg/Km)	Pulling Tension IEC 60794-1-2-E6		Crush Load IEC 60794-1-2-E3 (N/ 100mm)
				Short Term	Long Term	
4	9 ± 0.3	1.8 ± 0.2	72/95	2000	1000	3000
6	9 ± 0.3	1.8 ± 0.2	72/95	2000	1000	3000
12	9 ± 0.3	1.8 ± 0.2	72/95	2000	1000	3000
24**	9.5 ± 0.3	1.8 ± 0.2	82/110	2000	1000	3000

Optical Fiber Characteristics:

Fiber Type : 9/125um (Os1), 62.5/125um (Om1), 50/125um (Om2), 50/125um (OM3)

Operational Wavelength : 1310nm, 1550nm, 850nm, 1300nm, 850nm, 1300nm, 850nm, 1300nm

Maximum Attenuation (db/km) : 0.36, 0.22, 3.5, 1.5, 3.5, 1.5, 2.7, 0.8

Minimum Bandwidth (Mhz-km) : 200, 600, 500, 550, 1500/2000*, 500

Fiber-Type & Refractive Index	Mode-Field/ Cladding Diameter(um)	Wavelength (nm)	Dispersion (ps/(nm-km)	PMD (ps/km)	Cable Cut-off Wavelength (nm)
9/125/G.652D	9.2 ± 0.4	1310	≤ 3.5	≤ 0.2	≤1260
1.4670/1.4675	125 ± 0.7	1550	≤ 18		

Characteristics (cabled) Multi-Mode Graded-Index optical fibers according to IEC 60793

Fiber-Type	Mode-Field/ Cladding Diameter(um)	Wavelength (nm)	Numerical Aperture (um)	Refractive Index
62.5/125	62.5 ± 2.5	850	0.275 ± 0.015	1.497
OM1	125 ± 1	1300		1.493
50/125	50 ± 2.5	850	0.200 ± 0.015	1.483
Om2	125 ± 1	1300		1.478
50/125	50 ± 2.5	850	0.200 ± 0.015	1.483
Om3	125 ± 1	1300		1.478

Cable, Drum & Pallet Sizes

Cable Size	Standard Length
4F to 12F	4 kms ± 10%
24F	2 kms ± 10%