

APPLICATION

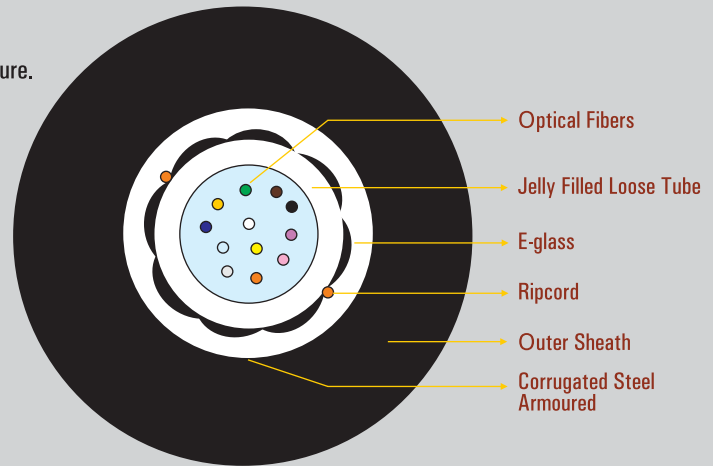
- Suitable for Indoor / Outdoor (duct) Local Area network System.
- Excellent water proof layer & good moisture resistance.
- Excellent crush resistant performance, light weight, Compact structure.

DESCRIPTION

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

STANDARDS

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



Mechanical & Environment Characteristics:

Operating Temperature	- 20 deg C to +60 deg C
Storage Temperature	- 40 deg C to +60 deg C
Jacket Material	LSZH / HDPE

Fiber Count	Outer Diameter (mm)	Thickness of Jacket (mm)	Nominal Cable Weight (kg/km) HDPE / LSZH	Pulling Tension IEC 60794-1-2-E1		Crush Load IEC 60794-1-2-E3 (N/100mm)	Bend Radius (mm) IEC 60794-1-2-E11 IEC 60794-1-2-E6	
				Short Term (N)	Long Term (N)		Short Term	Long Term
4	9 ± 0.3	1.8 ± 0.2	72/95	2000	1000	3000	20D	10D
6	9 ± 0.3	1.8 ± 0.2	72/95	2000	1000	3000	20D	10D
12	9 ± 0.3	1.8 ± 0.2	72/95	2000	1000	3000	20D	10D
24**	9.5 ± 0.3	1.8 ± 0.2	82/110	2000	1000	3000	20D	10D

** 24C - Core contains two bundles of 12F in Blue & Orange color bundle

Color Code:

BL-BLUE	OR-ORANGE	GR-GREEN	BR-BROWN	GY-GREY	WH-WHITE
RD-RED	BK-BLACK	YE-YELLOW	PU-PURPLE	PI-PINK	AQ / AQUA

Optical Fiber Characteristics:

Fiber Type	9/125um (OS1)		62.5/125um (OM1)		50/125um (OM2)		50/125um (OM3)	
	1310nm	1550nm	850nm	1300nm	850nm	1300nm	850nm	1300nm
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

* Effective Modal Bandwidth at 850nm for OM3

Characteristics (cabled) Single-Mode - Matched-Cladded optical fibers according to ITU

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 1.4670/1.4675	9.2 ± 0.4 125 ± 0.7	1310 1550	≤ 3.5 ≤ 18	≤ 0.2	≤ 1260

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 OM1	62.5 ± 2.5 125 ± 1	850 1300	0.275 ± 0.015	1.497 1.493
50/125 OM2	50 ± 2.5 125 ± 1	850 1300	0.200 ± 0.015	1.483 1.478
50/125 OM3	50 ± 2.5 125 ± 1	850 1300	0.200 ± 0.015	1.483 1.478

Cable, Drum & Pallet Sizes

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

Ordering Information:

HDPE- High Density Poly Ethylene				
	Single Mode(OS)	Multimode 62.5 um (OM1)	Multimode 50 um (OM2)	Multimode 50 um (OM3)
4 Fibers	NCB-FS09O-AUHD-04	NCB-FM62O-AUHD-04	NCB-FM50O-AUHD-04	NCB-FM51O-AUHD-04
6 Fibers	NCB-FS09O-AUHD-06	NCB-FM62O-AUHD-06	NCB-FM50O-AUHD-06	NCB-FM51O-AUHD-06
12 Fibers	NCB-FS09O-AUHD-12	NCB-FM62O-AUHD-12	NCB-FM50O-AUHD-12	NCB-FM51O-AUHD-12
24 Fibers	NCB-FS09O-AUHD-24	NCB-FM62O-AUHD-24	NCB-FM50O-AUHD-24	NCB-FM51O-AUHD-24
LSZH- Low Smoke Zero Halogen				
4 Fibers	NCB-FS09O-AULS-04	NCB-FM62O-AULS-04	NCB-FM50O-AULS-04	NCB-FM51O-AULS-04
6 Fibers	NCB-FS09O-AULS-06	NCB-FM62O-AULS-06	NCB-FM50O-AULS-06	NCB-FM51O-AULS-06
12 Fibers	NCB-FS09O-AULS-12	NCB-FM62O-AULS-12	NCB-FM50O-AULS-12	NCB-FM51O-AULS-12
24 Fibers	NCB-FS09O-AULS-24	NCB-FM62O-AULS-24	NCB-FM50O-AULS-24	NCB-FM51O-AULS-24

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