

APPLICATION

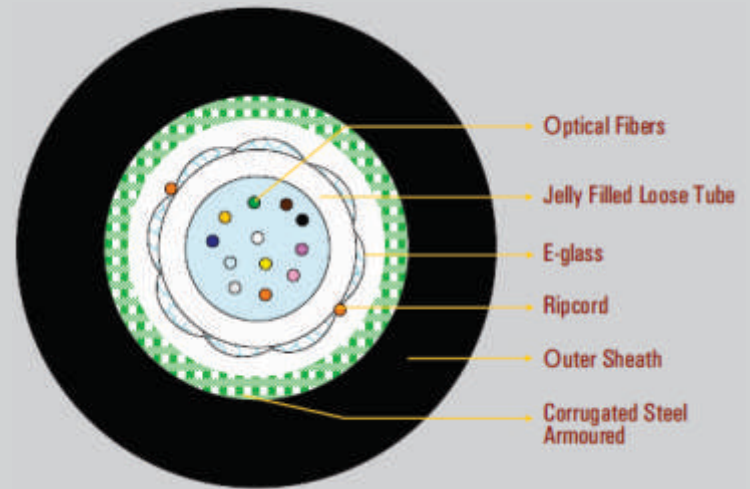
- Suitable for Indoor / Outdoor (duct) Local Area network.
- Excellent water proof layer & good moisture resistance.
- Excellent crush resistant performance, light weight.

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



Mechanical & Environment Characteristics:

Operating Temperature	- 20 °C to +70 °C
Storage Temperature	- 40 °C to +70 °C
Jacket Material	HDPE/LSZH Sheath

Fiber Count	Outer Diameter (mm)	Thickness of Jacket (mm)	Nominal Cable Weight (kg/km) HDPE / LSZH	Pulling Tension		Crush Load (N/100mm)	Bend Radius (mm)	
				Short Term (N)	Long Term (N)		Short Term	Long Term
4 F	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	50/125um(OM4)	
Operational Wavelength	850nm	1300nm
Maximum Attenuation (db/km)	2.7	0.8
Minimum Bandwidth (Mhz-km)	3500/4700	500

* Effective Modal Bandwidth at 850nm for OM4



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
50/125 OM4	50 ± 2.5	850	0.200 ± 0.015	1.483
	125 ± 1	1300		1.478

Cable Drum & Pallet Sizes

Cable Size	Standard Length
4F to 24F	2 km/4 km ± 10%

Ordering Information:

HDPE- High Density Poly Ethylene Multimode 50 um OM4		LSZH - Low Smoke Zero Halogen Multimode 50 um OM4	
4 Fibers	NCB-FM54O-AUHD-04	4 Fibers	NCB-FM54O-AULS-04
6 Fibers	NCB-FM54O-AUHD-06	6 Fibers	NCB-FM54O-AULS-06
12 Fibers	NCB-FM54O-AUHD-12	12 Fibers	NCB-FM54O-AULS-12
24 Fibers	NCB-FM54O-AUHD-24	24 Fibers	NCB-FM54O-AULS-24