

6/12F 50/125 OM2 MM ARMOURED OPTICAL FIBRE CABLE

APPLICATIONS:

Suitable for Outdoor and Direct Burial Applications
Excellent Crush Resistant, Compact Construction, UV Resistant

CABLE CONSTRUCTIONS:

S. No	Components	Description		
a.	Central Tube	PBTP Loose tube filled with Thixotropic Jelly		
b.	Fibre Type	Multimode 50/125 OM2		
c.	No. of Fibres	4F	6F	12F
d.	Armour	Corrugated Steel Tape Armour		
e.	Strength Members	Steel Wire - 2 Nos. & Glass Yarns		
f.	Colour of Fibres	Blue, Orange, Green, Brown	Blue, Orange, Green, Brown, Grey & White	Blue, Orange, Green, Brown, Grey, White, Red, Black, Yellow, Violet, Pink & Aqua
g.	Outer Sheath Material	HDPE - BLACK		

OPTICAL PROPERTIES:

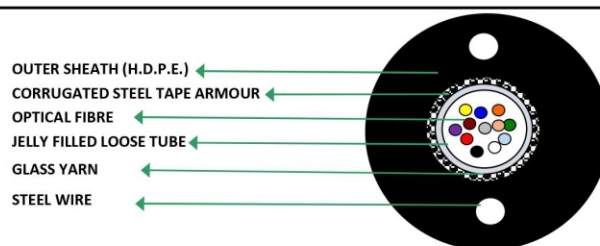
S. No	CHARACTERISTICS	Unit	VALUE
a.	Attenuation @ 850 nm	dB/km	≤ 3.0
	@ 1300 nm		≤ 1.0
b.	Bandwidth @ 850 nm	MHz-Km	≥ 500
	@ 1300 nm		≥ 500
c.	Core Diameter	µm	50 ± 2.5
d.	Clad Diameter	µm	125 ± 2
e.	Core Clad Concentricity Error	µm	≤ 2.0
f.	Cladding Non Circularity	%	≤ 1
g.	Numerical Aperature	-	0.200 ± 0.020

PHYSICAL, MECHANICAL & ENVIRONMENTAL PROPERTIES

Fibre Count	Outer Cable Diameter (mm)	Cable Weight Nominal (Kg/Km)	Tensile Strength (N) IEC 60794-1-2-E1	Compressive Strength (N/100 mm) IEC 60794-1-2-E3	Bend Radius (mm) IEC 60794-1-2-E11	Operating Temperature (Deg. C.)
4,6 & 12 F	7.5 ± 0.5	50	1500	4000	20 D	- 20 Deg. C to + 70 Deg. C

Note: Maximum Change in Attenuation ≤ 0.10 db/Km in each Mechanical and Environmental tests

CONSTRUCTIONAL DIAGRAM



Packing Length: 900 to 1200 Meter (In Coils) and 2000 ± 10% Meter (In Drum)

Printing on Cable: As per Requirement