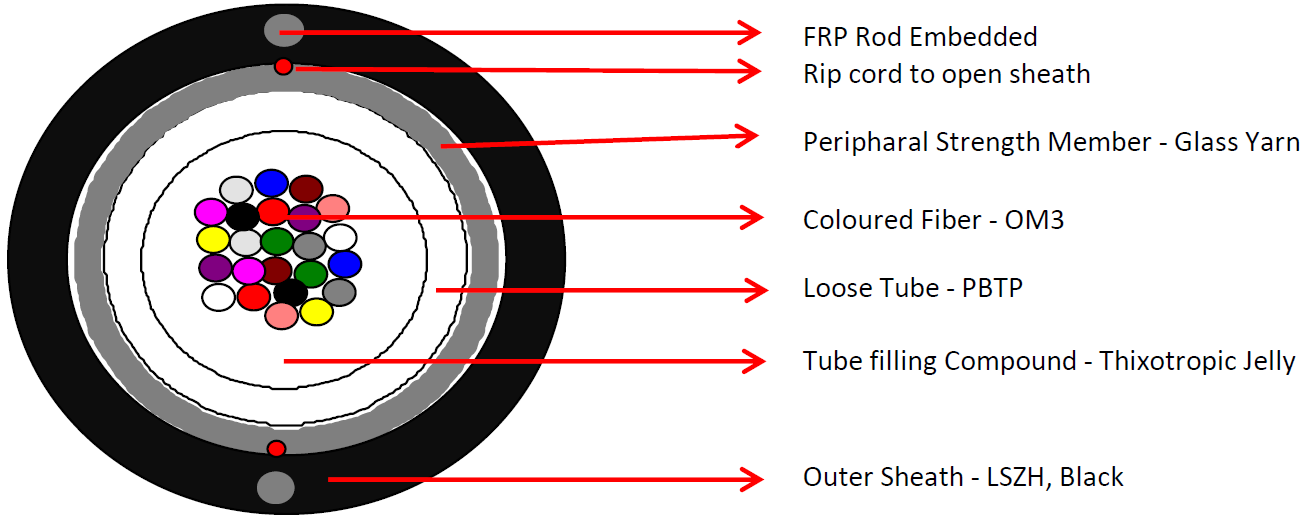


Product Overview

Giganet Central tube, indoor/outdoor fibre optic cable containing MMF, in full compliance with OM4. The offered cables are fully compliant to the relevant IEC specifications.

Cable Cross Sectional Diagram of 24F Cable [Drawing not to scale]



Product Features and Applications

FEATURES
Multi mode fibers in full compliance with OM4
Loose buffer tubes fully filled with Thixotropic Jelly and Fibres
Peripheral Strength Member - Glass Yarn
UV stabilized outer sheath LSZH, Black
2 Nos FRP Rod Embedded In outer sheath
Rip cord to open the sheath
Flexible buffer tubes provide easy fibre routing inside closure

APPLICATIONS
Suitable for Inside duct Application

Identification Fibre & Loose Tube Colour

Fibre Colour		Loose Tube Colour
Blue	Blue	Natural
Orange	Orange	
Green	Green	
Brown	Brown	
Slate	Slate	
White	White	
Red	Red	
Black	Natural	
Yellow	Yellow	
Violet	Violet	
Pink	Pink	
Aqua	Aqua	

Product Specification and Ordering Information

GIGANET CENTRAL TUBE SHEATHED FIBRE CABLE

Cable Physical Characteristics

FIBRE COUNT	2	4	6	8	12	24
Number Of Fibres in Loose Tube	2	4	6	8	12	24
Number of Loose Tube in cable	1					
Cable Diameter (in mm)	7.0					7.4
Tolerance ± (mm)	0.5					
Nominal Cable Weight (kg/km)	60.0					66.0
Standard Length (meters)	2000 ± 10%					

Cable Mechanical & Environmental Characteristics

Test	Standard	Product Performance					
Temperature Range (°C)	IEC-60794-1-22-F1	Installation	-5°C to +50°C	operation	-20°C to +60°C	storage	-20°C to +60°C
Cable Bending Radius (mm)	IEC-60794-1-21-E11 A & B	20 X D , D= Cable diameter					
Repeated bending (mm)	IEC 60794-1-21-E6	25 Cycles, r - 20D					
Tensile Force(N)	IEC-60794-1-21-E1	500 N					
Impact Resistance (Nm)	IEC 60794-1-21-E4	5 Nm					
Crush Resistance (N)	IEC-60794-1-21-E3	500 N (100 mm X 100 mm)					
Torsion Resistance	IEC-60794-1-21-E7	5 Cycle, (± 180°)					
Flame Retardant Test	IEC 60332-1-2	Pass					
Halogen Acid Gas Generation	IEC 60754-1	0.5 % Maximum					
Smoke Density rating %	ASTM D 2843	20 % Maximum					

Cable Transmission Characteristics

Fibre Type		Attenuation Coefficient (dB/Km)				Bandwith (MHz.km)	
		850	1300	1310	1550	850 nm	1300 nm
Multi Mode	OM4	≤ 3.2	≤ 1.2	-	-	≥ 3500	≥ 500



Ordering Information												
GN-FC-123456												
GN-FC	1	Cable Type	2	Armour	3	Mode	4	Fibres	5	Inner Sheath	6	Outer Sheath
	CT	CENTRAL LOOSE TUBE	U	UNARMORED	OS2	G652D	2	2		-	L	LSZH
			C	CST	A1	G657A1	4	4				
			S	SWA	A2	G657A2	6	6				
					M3	OM3	8	8				
					M4	OM4	12	12				
					M5	OM5	24	24				
E.g.:	GN-FC-CTUM42L		Giganet Central Loose Tube Unarmored, OM4 Multi Mode, 2 Core, LSZH Outer Sheath Fibre Cable									