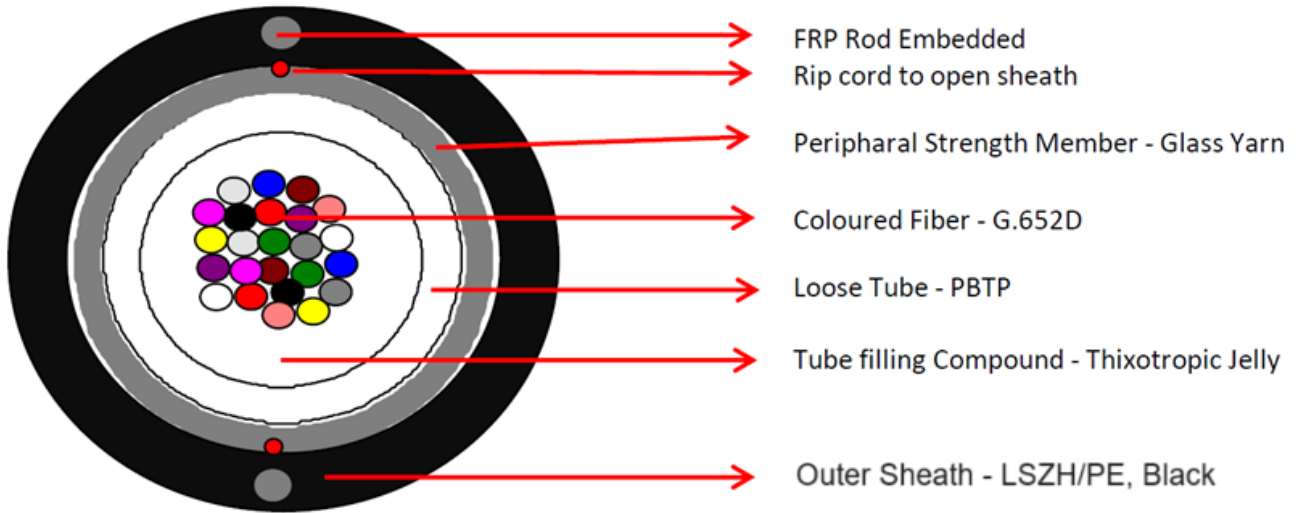


### Product Overview

Giganet Central tube, Indoor/outdoor fibre optic cable containing LWP-SMF, in full compliance with G.652D. The offered cables are fully compliant to the relevant IEC specifications.



### Product Features and Applications

FEATURES
Single mode fibers in full compliance with G.652D
Loose buffer tubes fully filled with Thixotropic Jelly and Fibers
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)	4000 ± 5%					

**Cable Mechanical & Environmental Characteristics**

Test	Standard	Product Performance					
		Installation	-5°C to +50°C	operation	-20°C to +60°C	storage	-20°C to +60°C
Temperature Range (°C)	IEC-60794-1-22-F1						
Cable Bending Radius (mm)	IEC-60794-1-21-E11 A & B	20 X D , D= Cable diameter					
Repeated Bending	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 Cycles (± 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)				PMD	Cable Cut-Off	MFD	
	850	1300	1310	1550				
Single Mode	G.652D	-	-	≤ 0.35	≤ 0.22	≤ 0.2	≤ 1260	9.9 ± 0.5

**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			P	PE
			S	SWA	A2	G657A2	6	6				
					M3	OM3	8	8				
					M4	OM4	12	12				
					M5	OM5	24	24				
Eg:	GN-FC-CTUOS22L		Giganet Central Loose Tube Unarmoured, G652D Singlemode, 2 Core, LSZH Outer Sheath Fibre Cable									