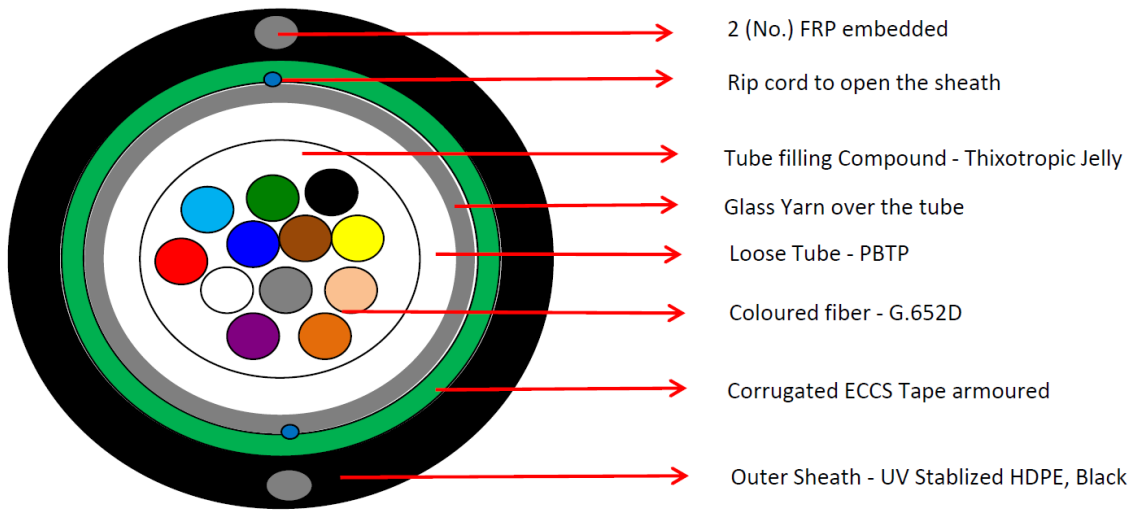


## Product Overview

Giganet Central Loose tube, armoured fibre optic cable containing SMF in full compliance with ITU-T G.652D. The offered cables are fully compliant to the relevant IEC specifications.

**Cable Cross Sectional Diagram of 12F Cable [Drawing not to scale]**



## Product Features and Applications

FEATURES
Single mode fibers in full compliance with G.652D
Loose buffer tubes fully filled with Thixotropic Jelly and Fibers
Glass yarn applied over the tube
Copolymer coated corrugated steel tape armouring
2 (No.) FRP embedded in outer sheath
UV Stabilized HDPE Outer sheath, Black
Rip cord to open the sheath
Corrugated Steel tape acts as protection against rodents and mechanical damage
Flexible buffer tubes provide easy routing inside closure.

APPLICATIONS
Suitable for Outdoor Application
Applicable in areas where high mechanical load is required

## Identification Fibre & Loose Tube Colour

Fibre Colour		Loose Tube Colour
1F to 12F Without ring mark	13F to 24F With ring mark	
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	



# FIBRE OPTIC CABLING SYSTEM

## Giganet Single Sheath Central Tube CST Armoured Fibre Cable

### Product Specification and Ordering Information

#### GIGANET SINGLE SHEATH CENTRAL TUBE CST ARMoured 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)	8.4			8.6		9.0
Tolerance ± (mm)	0.5					
Nominal Cable Weight (kg/km)	74.0			78.0		83.0
Standard Length (meters)	4000 ± 5%					

##### 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	IEC 60794-1-21-E6	25 Cycle, r= 20 X D, D = Cable Diameter					
Tensile Force(N)	IEC-60794-1-21-E1	700 N					
Impact Resistance (Nm)	IEC 60794-1-21-E4	10 Nm					
Crush Resistance (N)	IEC-60794-1-21-E3	1000 N (100 mm X 100 mm)					
Torsion Resistance	IEC-60794-1-21-E7	5 Cycles (± 180°)					

##### 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	ps/sqrt.km	nm	µm
						≤ 0.2	≤ 1260	9.2 ± 0.4

### 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		-	P	PE
			C	CST	A1	G657A1	4	4				
			S	SWA	A2	G657A2	6	6				
					M3	OM3	8	8				
					M4	OM4	12	12				
					M5	OM5	24	24				
Eg:	GN-FC-CTCOS22P		Giganet Central Loose Tube CST Armoured, G652D Singlemode, 2 Core, PE Outer Sheath Fibre Cable									