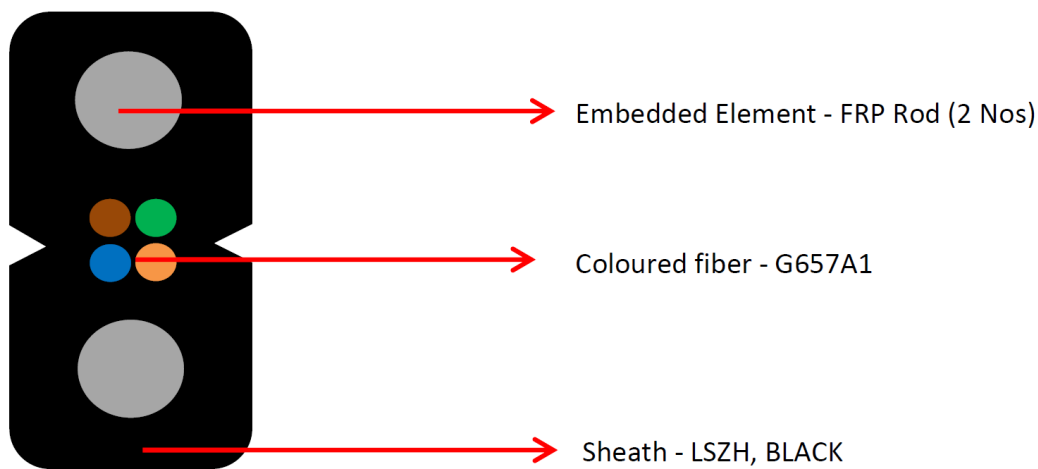


Product Overview

Giganet Flat Drop fibre optic cable containing LWP-SMF, in full compliance with ITU-T G657A1. The offered cables are fully compliant to the relevant IEC specifications. These cables have a rectangular jacket construction having 1, 2 or 4 fibre options. Two FRP Rod strength members are embedded on the sides of the fibre cable for protection, along with Low Smoke Zero Halogen (LSZH) or UV Resistant PE Jacket in the Outer Sheath.

Cable Cross Sectional Diagram of 4F Cable [Drawing not to scale]



Product Features and Applications

FEATURES
Enhance low water peak single mode fibers in full compliance with ITU-T-G657A1
FRP ROD (2 Nos) Embedded in Sheath
LSZH Sheath, Black
Suitable for Drop Cable
Lightweight construction
APPLICATIONS
Suitable for FTTH Application

Identification Fibre & Loose Tube Colour

Fibre Colour
Blue
Orange
Green
Brown

Product Specification and Ordering Information

GIGANET FLAT DROP LSZH OPTICAL FIBRE CABLE

Cable Physical Characteristics

FIBRE COUNT	1	2	4
Cable Dimensions (in mm)	3.0 x 2.0		
Tolerance ± (mm)	0.3		
Nominal Cable Weight (kg/km)	10.0		
Standard Length (meters)	1000 ± 10%		

Cable Mechanical & Environmental Characteristics

Test	Standard	Product Performance
Temperature Range (°C)	IEC-60794-1-22-F1	-20 °C to +70 °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	30 Cycle, r= 20 X D, D = Cable Diameter
Tensile Force(N)	IEC-60794-1-21-E1	80 N (max)
Impact Resistance (Nm)	IEC 60794-1-21-E4	1 N-m
Crush Resistance (N)	IEC-60794-1-21-E3	100 N (100 mm X 100 mm)
Torsion Resistance	IEC-60794-1-21-E7	(± 180°)

Cable Transmission Characteristics

Fibre Type		Attenuation Coefficient (dB/Km)				PMD	Cable Cut-Off	MFD
		850	1300	1310	1550			
Single Mode	G.657A1	-	-	≤ 0.36	≤ 0.22	ps/sqrt.km	nm	μm
						≤ 0.2	≤ 1260	8.6 ± 0.4

Ordering Information

GN-FC-123456

GN-FC	1	Cable Type	2	Armour	3	Mode	4	Fibres	5	Inner Sheath	6	Outer Sheath
	D	FLAT DROP CABLE	U	UNARMORED	A1	G657A1	1	1		-	P	PE
							2	2			L	LSZH
							4	4				
Eg:	GN-FC-DUA14L		Giganet Single Sheath Flat Drop Unarmoured, G657A1 Single mode, 4 Core, LSZH Sheath Fibre Cable									