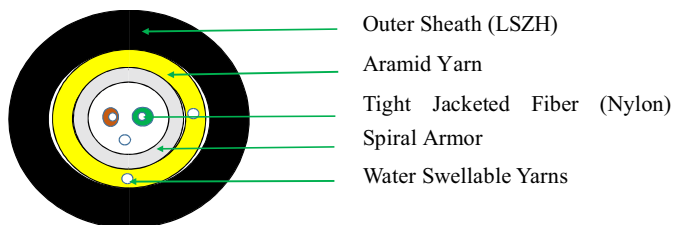


Technical Data Sheet

Cable Description	2F SM Spiral Armored OFC
Type of Fibre	Single Mode, ITU-T G.657A1

Cable Cross Sectional Diagram [Drawing not to scale]



Cable Construction details

Fiber Count	2F
Fibres Colour	Blue & Orange
Tight Buffer Material	Nylon
Tight Buffer Diameter (mm)	0.90 ± 0.05
Helical Armored Layer	Spiral Armor
Strength Member	Aramid Yarn
Outer Sheath Material	LSZH-Black
Outer Sheath Thickness (mm)	0.7 ± 0.1
Cable diameter (mm)	4.8 ± 0.2
Cable Weight (kg/km)	33 ± 10 % KG

Cabled Optical Characteristics & Fiber Geometry : G657A1 Fiber

Attenuation (dB/km) @ 1310 nm:	≤ 0.34
Attenuation (dB/km) @ 1550 nm:	≤ 0.22
Fiber Mode Field Diameter @1310	9.2 ± 0.4
Fiber Cladding Diameter (µm)	125 ± 0.7
Fiber Primary coating Diameter (µm)	245 ± 10.0

Cable Mechanical Characteristics

Properties	Specified Values
Temperature Range	-40 °C to + 80 °C
Cable Bend Test	20 x D, D = Cable Diameter
Tensile Strength	450N
Crush Test	1000 Newton /100x100 mm
Tests shall be carried out as per IEC Standards. Change in attenuations shall be ≤0.05 dB/km.	

Colour Code

2 Fiber		
1	2	
Green	Brown	



Packing Detail	
Packing Type	Wooden Spool
Length & Tolerance	2 KM +/- 10%
Printing Detail	
Printing Detail	As per customer requirment in PO at Every 1 Meter of Interval
Orient Cables (India) Limited	

ORDERING INFORMATION

GXUUCASA01K1	Genius Network FTTX Drop Cable Spiral Armoured 1 core - 1KM roll
GXUUCASA02K1	Genius Network FTTX Drop Cable Spiral Armoured 2 core - 1KM roll