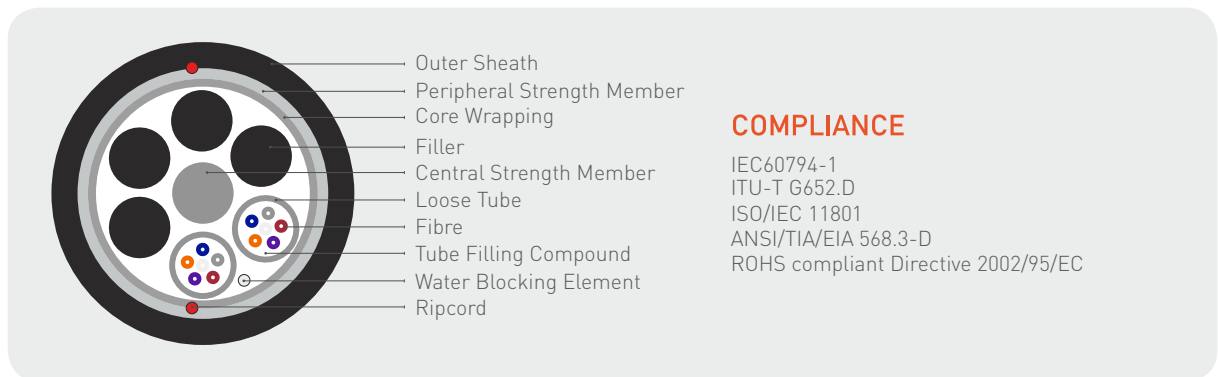
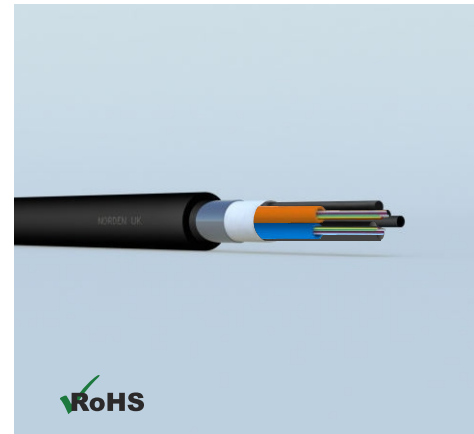


# DIELECTRIC LOOSE TUBE WATER BLOCKING GLASS YARN IN/OUT CABLE

The cable is constructed with FRP Central Strength Member and PBTP Loose tube with jelly compound. Water blocking glass yarn and tape gives protection against water penetration. Non metal strength gives an excellent anti-electromagnet ability. High Density Polyethylene material is used as outer jacket.

The cable is combines robust characteristics of external cable and flexibility of internal cable. It is used in access network and local network in high electromagnetic interfering places.



## CONSTRUCTION

Primary Coated Fibre	Single Mode - G652D
Tube Filling Compound	Thixotropic Jelly
Loose Tube(s)	PBTP
Central Strength Member	FRP Rod
Water Blocking Element	Thixotropic Jelly
Filler	PE Black
Core Wrapping	Polyester Tape
Peripheral Strength Member	Glass Roving Yarn
Outer Sheath	1.5mm, HDPE Black
Rip Cords	3 Polyester

# DIELECTRIC LOOSE TUBE WATER BLOCKING GLASS YARN IN/OUT CABLE

## MECHANICAL, OPTICAL & ENVIRONMENTAL CHARACTERISTICS

Characteristics	Short Term
Tensile Force	2500 N
Crush Resistance	2000N (100x100mm)
Torsion Resistance	10 Cycle (±182)° 10Kg Weight, L=2 Mtr
Impact Resistance	Height 500mm, Weight = 2.5Kg
Kink Resistance	10xD, D = Cable Diameter
Water Penetration	1 Mtr Water Head, 3 Meter Cable Sample, 24 Hours
Installation Temperature	-20°C to +70°C
Operation Temperature	-20°C to +70°C
Transport and Storage Temperature	-10°C to +70°C
Attenuation Coefficient @1310	≤ 0.36 dB/Km
Attenuation Coefficient @1550	≤ 0.22 dB/Km

## ANSI/TIA/EIA-598-B STANDARD FIBRE COLOR CODE

Fibre Number	Fibre Color
Fibre 1	Blue
Fibre 2	Orange
Fibre 3	Green
Fibre 4	Brown
Fibre 5	Slate
Fibre 6	White

## ORDERING INFORMATION

Part Number	Fibre Count	Outer Diameter (mm)	No. of Filler	Loose Tube Diameter (mm)	Cable Weight (kg/km)	Bend Radius	
						Short (mm)	Long (mm)
3146-340080S2CL	8	9.5	4	1.9	75	20D	10D
3146-330120S2CL	12	9.5	4	1.9	75	20D	10D

## ORDERING GUIDE

Cable Type	Jacket	Fibre/ Tube	Fibre Count	Fibre Type (FXX)	Jacket Colour (CL)
3146	1 = PVC 2 = LSZH 3 = PE	1 = 12F/T 2 = 08 F/T 3 = 06 F/T 4 = 04 F/T	No. of Fibre [XXX]	OS2 = 9/125 (G652.D) OS2	As noted

CL: BK(Black)

' \* Default value of Fibre Per Tube is "1" as per the ordering information, Follow the ordering guide for any other Specific customized fibre per tube requirement. '

## PACKING INFORMATION

Part Number	Packing Length	Packing Mode	N.W (kg)	G.W (kg)	Dimension (mm)
3146-340080S2CL	2000 x 1	Wooden Drum	150	265	900 x 500 x 600
3146-330120S2CL	2000 x 1	Wooden Drum	150	265	900 x 500 x 600