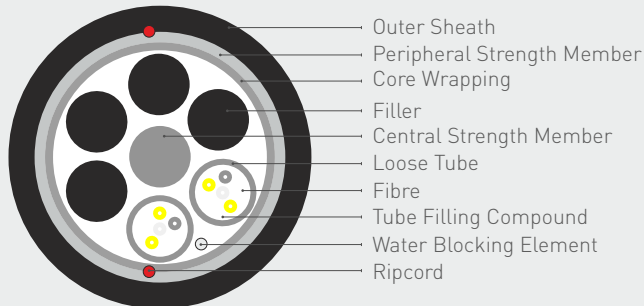
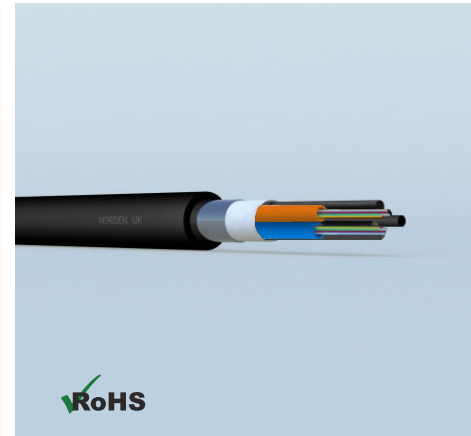


# DIELECTRIC LOOSE TUBE WATER BLOCKING GLASS YARN IN/OUT CABLE

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.



## COMPLIANCE

IEC60794-1  
ITU-T G652.D  
ISO/IEC 11801  
ANSI/TIA/EIA 568C.3  
ROHS compliant Directive 2002/95/EC

## 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<br>2 = LSZH<br>3 = PE | 1 = 12F/T<br>2 = 08 F/T<br>3 = 06 F/T<br>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 |