

Indoor Drop Cable, Extra Protected 1-4 Fibers – TOL 406 3006

Direct Install GNGQBDU, G657.A2



Features

- Excellent installation performance
- 1-4 fibers, G657.A2*
- Easy to access and identify fibers
- Very good temperature performance
- Diameter optimized to 4.8 mm to be used for cable clamps
- Robust and flexible design
- Halogen-free, fire-resistant sheath

Application

GNGQBDU is a fiber optic drop cable for indoor FTTx applications.

The drop cable is primarily intended for direct installation, i.e. installation with staples or clips or routing inside cable raceways and mouldings. This installation technique puts extra tough requirements on the cables in terms of bend performance, crush resistance and other mechanical parameters.

The drop cable has extremely good bend performance due to the G657.A2 fiber and the inbuilt bend restriction of the cable design. The cable will by itself control the minimum bend radius and permit kinking.

The drop cable is available with 1, 2 or 4 tight coated fibers. The tight coated fibers allow easy splicing or connector assembly. Aramide yarns around the fibers guarantee the tensile performance. The sheath is made of flame-retardant fire resistant material.



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Typical Data

Temperature range

Operation -40 till +60°C
 Storage -40 till +70°C
 Installation -15 till +60°C

Bending radius

During installation and permanent
 1-2 fiber
 ¼ turn ≥ 12.5 mm
 Single turn ≥ 15 mm
 Multiple turns ≥ 20 mm

4 fiber

¼ turn ≥ 15 mm
 Single turn ≥ 20 mm
 Multiple turns ≥ 25 mm

Tensile force

1-4 fiber
 During installation ≤ 500 N
 Permanent ≤ 350 N

Crush resistance

1-4 fiber ≤ 5 kN/10cm

Flame resistance

According to IEC 60332-3-24

Delivery Information

Supplied lengths

1-4 fiber 1 or 2 km

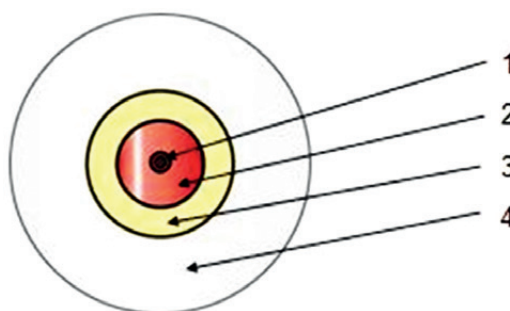
Mechanical and environmental test in accordance with draft IEC 60794.1-2
 Fiber parameters and tests according to the IEC series 60793-2 and 60793-1
 *The G657.A2 fiber is compatible with both G657.A1 and G652.D.

Transmission Characteristics

| ATTENUATION | @ 1310NM | @ 1550NM |
|-------------|------------|------------|
| | 0.40 dB/km | 0.28 dB/km |

Design

1. Primary coated fiber Silica, acrylate
2. Tight secondary coating PBT
3. Strength member Aramide yarn
4. Sheath Polyethylene, Halogen-free, flame-retardant of white RAL9001



Ordering Information

| PRODUCT NUMBER | NUMBER OF FIBERS | DIAMETER (MM) | WEIGHT (KG/KM) |
|-----------------|------------------|---------------|----------------|
| TOL 406 3006/1A | 1 | 4.8 | 25.0 |
| TOL 406 3006/2A | 2 | 4.8 | 24.4 |
| TOL 406 3006/4A | 4 | 4.8 | 23.0 |

The order number corresponds to a cable with single-mode G657.A2* fibers colored according to standard Hexatronic color code (see product information "Standard Hexatronic fiber color code").