Uni-tube 1-12 fibers TOL 406 9001

Duct & Direct buried Drop cable GNGLDV dielectric

Features

- Excellent installation performance
- Easy to strip and identify fibers
- Very good temperature performance
- 1-12, G657.A2 bend resistant fibers
- Diameter 6.1x3.3 mm
- Robust and flexible design
- Halogen free sheath

GNGLDV is a fiber optic drop cable designed for low-cost subscriber connections such as fiber-to-the-home (FTTH) or fiber-to-the-building (FTTB) networks, bridging the space between the distribution network and the subscriber premises.

The GNGLDV drop cable can be installed in ducts or be direct buried.

The drop cable, based on the well proven loose tube technology, consists of one loose tube with 1 to12 fibers. Two FRP-rods (Fiber reinforced plastics) guarantee highest tensile performance. The sheath gives the cable good protection against all outdoor environments.

Typical data

Temperature range	
Operation	-40 till +70°C
Storage	-40 till +70°C
Installation	-15 till +60°C
Bending radius	
¼ turn	≥ 30 mm
Single turn	≥ 50 mm
Multiple turns	≥ 75 mm
Tensile force	
During installation	≤ 1200 N
Permanent	≤ 400 N
Crush resistance	≤ 6 kN/10cm
Water blocking	
According to	IEC 60794-1-2-F5B
Delivery lengths	
1-12 fiber	1, 2, 4 and 6 km
Drum diameter	
1 to 2 km	0.6 m
4 km	0.7 m
6 km	0.8 m
Transmission CHARACTERISTICS	
Attenuation @ 1310nm @ 1550nm	Max. 0.35dB/km Max. 0.25dB/km

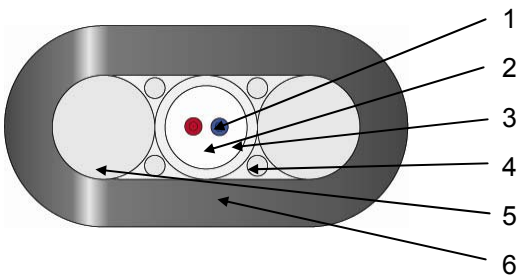
Mechanical and environmental test in accordance with draft IEC 60794.1-2
Fiber parameters and tests according to the IEC series 60793-2 and 60793-1
*The G657.A2 fiber is compatible with both G657.A1 and G652.D.

Order information

The order number corresponds to a cable with

Order number	No. of fibers	Diameter [mm]	Weight [kg]
TOL 406 9001/1A	1	6.1x3.3	18.5
TOL 406 9001/2A	2	6.1x3.3	18.5
TOL 406 9001/4A	4	6.1x3.3	18.5
TOL 406 9001/12A	12	6.1x3.3	18.5

single-mode G657.A2* fibers colored according to standard Ericsson color code (see product information “Standard Ericsson fiber color code”).



Design

1 Primary coated fiber..... Silica, acrylate G657.B*
2 Filling compound ..... Water block jelly
3 Loose tube ..... PA
4 Water blocking and ripcords Swellable yarn
5 Strength member ..... FRP
6 Sheath..... Polyethylene, (black), halogen-free

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