



Duct and Direct Buried Drop Cable

GNGLDV 1-12 fibers G657A1 S12

Features

- Excellent installation performance
- Easy to strip and identify fibers
- Very good temperature performance
- 1-12, G657.A1 bend resistant fibers
- Diameter 6.1x3.3 mm
- Robust and flexible design
- Halogen free sheath

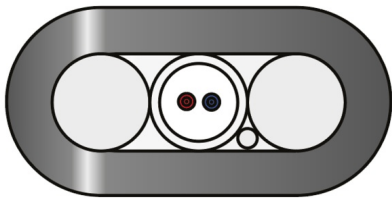
Application

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

Design

The drop cable, based on the well proven loose tube technology, consists of one loose tube with 1 to 12 fibers. Two FRP rods (Fiber reinforced plastics) guarantee highest tensile performance. The sheath gives the cable good protection against all outdoor environments.

Product Information



- 1 Primary coated fiber: Silica, acrylate
- 2 Filling compound: Thixotropic grease
- 3 Loose tube: PA
- 4 Slit up yarn
- 5 Central strength member: Glass fiber reinforced plastic, water swellable
- 6 Sheath: Polyethylene, halogen-free

Technical Information

Product Color	Black Sheath
Color Code	S12
Temperature, Operation [°C]	-40 to +70
Temperature, Storage [°C]	-40 to +70
Temperature, Installation [°C]	-15 to +60
Water Blocking	Longitudinal water blocking according to IEC 60794-1-2-F5B
Fiber Type	G657A1

Attenuation @Wavelength [nm]	1310/1550/1625
Average Attenuation [dB/km]	0.36/0.22/0.25
Maximum Attenuation [dB/km]	0.38/0.25/0.30
Conformance	<p>Longitudinal water blocking according to IEC 60794-1-2-F5B.</p> <p>Mechanical and environmental tests in accordance with IEC 60794-1-2.</p> <p>Fiber parameters and tests according to the IEC series 60793-2 and 60793-1.</p>
Marking	<p>Example of sheath marking, 1 time/meter:</p> <p>"HEXATRONIC A35 yymmddhh GNGLDV 2 G.657.A1 TOL4069013/2AH xxxxx m"</p> <p>where yymmddhh = year, month, day and hour of manufacture, xxxxx=running meter marking.</p>
Ordering Information	Supplied lengths: 1, 2, 4 and 6 km

Technical Details

S12 Fiber och rör Fibers and Tubes	1	2	3	4	5	6	7	8	9	10	11	12
	Röd Red	Blå Blue	Vit White	Grön Green	Gul Yellow	Grå Grey	Brun Brown	Svart Black	Violett Violet	Orange	Turkos Turquoise	Rosa Pink
	13	14	15	16	17	18	19	20	21	22	23	24
	Röd Red	Blå Blue	Vit White	Grön Green	Gul Yellow	Grå Grey	Brun Brown	Klar Clear	Violett Violet	Orange	Turkos Turquoise	Rosa Pink

Articles 2

Article name	Color	No. of Fibers	Layout	Bend Radius [mm]	Tensile Force, Installation [N]	Crush [N/100 mm]	Dimensions [mm]	Weight [kg/km]
GNGLDV 2 G657A1 TOL4069013/2AH	Black	2	1x2	75	1200	6000	6.1 × 3.3	19
GNGLDV 12 G657A1 TOL4069013/12AH	Black	12	1x12	75	1200	6000	6.1 × 3.3	19