Slotted Core Ribbon
192 fibers TOL 402 1005

Direct buried 8-fibers ribbon GASLLDV Non-metallic reinforcement

Features

- Ribbon technique
- Slotted core design
- 192 fibers, G652.D
- Thermoplastic cushion layer
- Non-metallic

The **GASLLDV** is a non-metallic reinforced 8-fiber ribbon cable, for direct buried installation.

The GASLLDV cable is based on the GASLDV cable but with a thermoplastic cushion layer and a second outer sheath.

The non-metallic design prevents high voltage induction in the cable. The cable is therefore especially recommended for installation along power lines and in railway embankments.

High packing density of the fibers is provided by the ribbon technique. This permits a small outer diameter for the cable despite the large fiber count.

The slotted core cable has high crush load resistance. The shape of the slotted core profile provides an effective cavity for the ribbons to rest in. Water blocking filling compound prevents water penetration along the cable.

Typical data

Temperature range[1)]
Operation .....–30 to +70ºC
Storage .....–40 to +70ºC
Installation.....–15 to +50ºC

Bending radius[1)]
Temporarily unloaded.....≥ 10×cable diameter
Permanently (one turn)
and during installation .....≥ 15×cable diameter

Tensile force[1)]
During installation.....≤ 2.0 kN
Permanently.....≤ 1.5 kN

Crush resistance[1)].....≤ 7.0 kN/100 mm

Water penetration
Complies with .....IEC 60794-1-2-F5

Delivery information
Supplied lengths .....2, 4, 6, or 8 km
Drum type[2)]

[1)] Tested in accordance with IEC 60794-1
[2)] See drum tables

Design

1 8-fiber ribbon ..... .Silica, acrylate
2 Filling compound ..... .Thixotropic gel
3 Central strength member. .Glass fiber reinforced plastic
4 Slotted core.....Polyethylene
5 Sheath ..... .Polyethylene (black)
6 Cushion layer ..... .TPE-O
7 Sheath ..... .HD-Polyethylene (black)

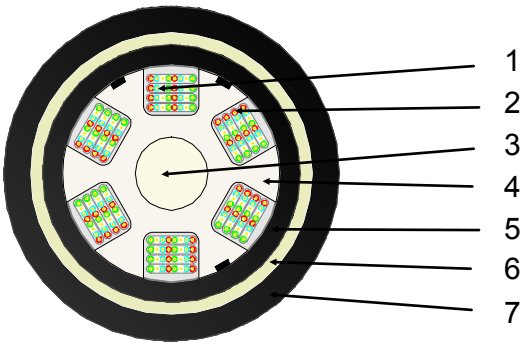
Order information

Product number	No. of fibers	Diameter [mm]	Weight [kg/km]
TOL 402 1005/192A	192	23	300

This ordering information covers standard types of the GASLLDV cable. The order number corresponds to a cable with standard single mode fibers colored according to standard Ericsson color code (see product information “Standard Ericsson fiber color code”).

Other combinations such as:
- fiber types
- fiber colors
- ribbon colors
- total number of fibers
- number of ribbons in each slot

Specific technical information is available on request.



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