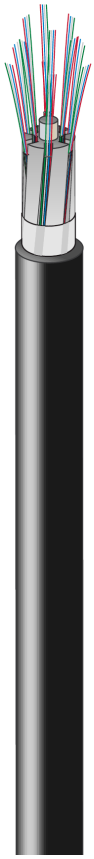
Slotted Core Ribbon
24-96 fibers TOL 401 1001

Duct cable 4-fibers ribbon GASLDV dielectric



Features

- Water blocking filling compound prevents water penetration along the cable
- 24-96 fibers, single-mode, multimode or both
- High packing density of the fibers is provided by the ribbon technique
- Dielectric

GASLDV is a 4-fiber ribbon cable for duct and direct buried installation. There is also a slim variant available (TOL 401 1013). Being completely dielectric it can be installed in environments where there can be electrical interference, for example adjacent to power lines. It is recommended that the cable is embedded in a minimum of 10 cm sand.

The versatility of this cable design and the improved splicing properties of the ribbon technology, reduce the cost of installation.

The strength member and the slotted core design provide superior protection for the fiber ribbons.

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)]
Standard variant
During installation .....≤ 2.0 kN
Permanently.....≤ 1.5 kN

Crush resistance[1)]
Standard variant .....≤ 6.0 kN/100 mm

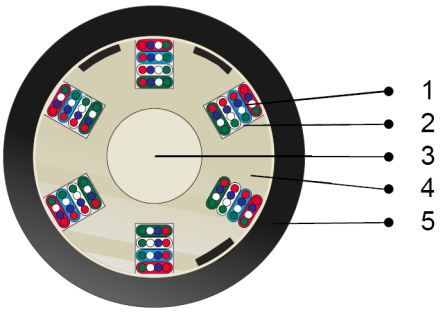
Water penetration
Complies with.....IEC 60794-1-2-F5

Delivery information
Supplied lengths .....2, 4, 6, 8 or 12 km
Drum type[2)]

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

Design

1 4-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)



Order information

Standard variant

Product number	No. of fibers	Diameter [mm]	Weight [kg/km]
TOL 401 1001/24A	24	12.5	130
TOL 401 1001/48A	48	12 .5	130
TOL 401 1001/72A	72	14	175
TOL 401 1001/96A	96	14	175

This ordering information covers standard types of the GASLDV 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

and specific technical information are available on request.

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