Slim Slotted Core Ribbon 12-48 Fibers – TOL 401 1013

Duct Cable 4-fibers Ribbon GASLDV Dielectric

Features

- Slim variant

- Water blocking filling compound prevents water penetration along the cable

- 12-48 fibers G652.D

- High packing density of the fibers is provided by the ribbon technique

- Dielectric

Application

GASLDV is a slim 4-fiber ribbon cable for duct and direct buried installation. There is also a standard variant available version of (TOL 401 1001).

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 +70°C
Storage ....–40 to +70°C
Installation ....–15 to +50°C

Bending radius[1]
Temporarily unloaded...... ≥ 10×cable diameter

Permanently (one turn) and during installation
.... ≥ 15×cable diameter

Tensile force[1]
Slim variant
During installation .... ≤ 1.5 kN
Permanently .... ≤ 1.0 kN

Crush resistance[1]
Slim variant.....................≤ 2.0 kN/100 mm

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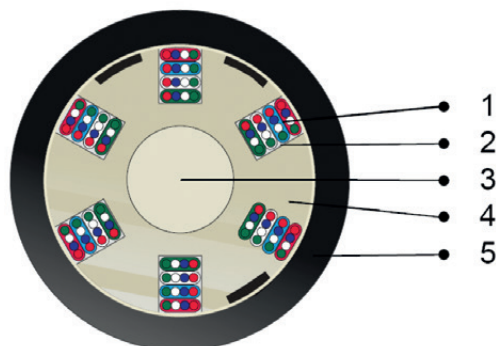Complies with .... IEC 60794-1-2-F5

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)

Ordering Information

Slim variant

PRODUCT NUMBER	NUMBER OF FIBERS	DIAMETER (MM)	WEIGHT (KG/KM)
TOL 401 1013/12A	12	9.5	75
TOL 401 1013/24A	24	9.5	75
TOL 401 1013/48A	48	9.5	75

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 Hexatronic color code (see product information "Standard Hexatronic 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.