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

Application
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.
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Typical Data

Temperature range\(^1\)
- Operation: –30 to +70ºC
- Storage: –40 to +70ºC
- Installation: –15 to +50ºC

Bending radius\(^1\)
- Temporarily unloaded: ≥ 10x cable diameter
- Permanently (one turn) and during installation: ≥ 15x 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)

Ordering Information

Standard variant

<table>
<thead>
<tr>
<th>PRODUCT NUMBER</th>
<th>NUMBER OF FIBERS</th>
<th>DIAMETER (MM)</th>
<th>WEIGHT (KG/KM)</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOL 401 1001/24A</td>
<td>24</td>
<td>12.5</td>
<td>130</td>
</tr>
<tr>
<td>TOL 401 1001/48A</td>
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<td>130</td>
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<tr>
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<td>14</td>
<td>175</td>
</tr>
<tr>
<td>TOL 401 1001/96A</td>
<td>96</td>
<td>14</td>
<td>175</td>
</tr>
</tbody>
</table>

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.