LEONI Fiber Optics GmbH

LEONI Part No.: 84025####

FiberConnect® U-DQ(ZN)BH n … 1750 N

Profile view:

- Central loose tube
- Armour
- FRNC – outer jacket

Design:

**Cable core:**
- Gel-filled loose tube, outer diameter 3.5 mm with 2-12 optical fibres and outer diameter 4.0 mm with 14-24 optical fibres
- Tube colour: yellow (E9/125), green (G50/125), blue (G62.5/125)
- Fibre colours (1-12): red, green, blue, yellow, white, grey, brown, violet, turquoise, black, orange, pink
- (13-24): red, green, blue, yellow, white, grey, brown, violet, turquoise, transparent, orange, pink
  (with black ring-marking, except transparent)

**Armour:**
- Multifunctional E-glass yarns as strain relief element and rodent protection

**Outer jacket:**
- Halogen-free and flame-retardant material with approx. 1.1 mm wall, colour: yellow
- Outer diameter see table below
- Inkjet-marking black:
  - LEONI - FiberConnect® U-DQ(ZN)BH n fibre type 1750 N (alternating current symbol twice), (Order No.), (Reel No.), (sequential length in metres)

Application/Installation:

- Universal cable for both indoor and outdoor with a non-metallic armouring
- The cable is longitudinally water resistant
- For fixed installation in cable ducts and in tubes
- Mechanical installation by winch is permitted only when using force meters with recording function
- Not suitable for underground laying

Transmission characteristics:
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- Transmission characteristics see separate fibre data-sheet

Mechanical characteristics:
- Min. bending radius
  - static 15 x outside diameter
  - dynamic 20 x outside diameter
- Max. pull force 1750 N
- Max. crush resistance long term 1500 N/dm

Thermal characteristics:
- Transport and storage - 25 °C to + 70 °C
- Installation - 5 °C to + 50 °C
- In use - 20 °C to + 60 °C

Fire performance:
- Flame retardancy acc. to IEC 60332-1-2 and IEC 60332-3-24 Cat. C
- Smoke density acc. to IEC 61034
- Halogen-free acc. to IEC 60754-2
- No corrosive and toxic fumes

Chemical characteristics:
- No resistance to oil, petrol, acid and leach

Standardisation:
- DIN VDE 0888-6

Notes:
- Packaging: Disposable drums, wooden drums of KTG or coils

<table>
<thead>
<tr>
<th>Fibres</th>
<th>Outer diam.</th>
<th>Weight</th>
<th>Fire load</th>
</tr>
</thead>
<tbody>
<tr>
<td>max.</td>
<td>mm</td>
<td>kg/km</td>
<td>MJ/m</td>
</tr>
<tr>
<td>12</td>
<td>7,0</td>
<td>55</td>
<td>0,71</td>
</tr>
<tr>
<td>24</td>
<td>7,5</td>
<td>60</td>
<td>0,79</td>
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