**FiberConnect**

**Universal cable with functional integrity 180 minutes max.**

NEK TS 606 cable designation QFAU MUD LE.X.CO (LEONI X-linked COpound) with central multi-fiber loose tube (2500 N)

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### U-DQ(ZN)BH n … ZB FS UV QFAU XS

<table>
<thead>
<tr>
<th>Order no.</th>
<th>84 100</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standardisation</td>
<td>IEC 60794-2</td>
</tr>
</tbody>
</table>

**Description**
Non-metallic, light and flexible cable with increased tensile strength with DNV/GL approval.

**Composition**
- **Cable core**: Loose tube, gel-filled inner fire protection tape
- **Armour**: Multifunctional reinforced glass rovings, moisture blocking, as non-metallic strain relief elements and rodent protection
- **Cable jacket**: Halogen free and flame retardant (FRNC) mud resistant according to NEK TS 606 cross-linked according to IEC 60092-360 (LE.X.CO-LEONI X-linked COpound)
- **Colour of jacket**: blue

**Thermal properties**
- **Transport/storage**: – 25°C to + 70°C
- **Installation**: – 5°C to + 50°C
- **Operating temperature**: – 20°C to + 60°C

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### Functional integrity in the event of fire for 180 minutes max.

**Mechanical properties**
- **Min. bending radius static**: 15 × outer diameter
- **Min. bending radius dynamic**: 20 × outer diameter
- **Max. pull force on jacket**: 2500 N
- **Max. crush resistance**: 3000 N/dm

**Fire performance**
- **Flame retardancy**: IEC 60332-1-2 and IEC 60332-3-22 Cat. A
- **Smoke density**: IEC 61034
- **Absence of halogen**: IEC 60754-1
- **Acidity of combustion gases**: IEC 60754-2

**Functional integrity test**
Acc. to IEC 60 331-11, IEC 60 331-25 and EN 50200 180 min (VDE test report).

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### Max. number of fibers

<table>
<thead>
<tr>
<th>Max. number of fibers</th>
<th>Outer Ø</th>
<th>Weight</th>
<th>Fire load</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>mm</td>
<td>kg/km</td>
<td>MJ/m</td>
</tr>
<tr>
<td>12</td>
<td>10.3</td>
<td>115</td>
<td>1.03</td>
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<tr>
<td>24</td>
<td>10.8</td>
<td>125</td>
<td>1.28</td>
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