### DATALIGHT® Duplex Fibre 2.2

**product description:**

The Duplex Fibre 2.2 DATALIGHT is a polymer optical fibre with PVC outer jacket of grey color. The material is flame-retardant.

This cable is used as a connection for data networks, Internet, IP-TV, IP telephony (VoIP) and others. It fulfills all aspects of a structured wiring. The advantages are the rapid installation through the simple plug-in connection as well as immunity to electromagnetic fields which allows the installation next to power lines. In addition, a small bending radius is possible.

### Art-No.: Type  Color  Bend radius ≥ mm  Outside Ø mm single wire  Content  PU  PU/kg

<table>
<thead>
<tr>
<th>Art-No.</th>
<th>Type</th>
<th>Color</th>
<th>Bend radius ≥ mm</th>
<th>Outside Ø mm single wire</th>
<th>Content</th>
<th>PU</th>
<th>PU/kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>257 80 102</td>
<td>DLF-G100</td>
<td>grey</td>
<td>25</td>
<td>2.2</td>
<td>100 / 328</td>
<td>m / ft</td>
<td>1.1</td>
</tr>
<tr>
<td>257 80 002</td>
<td>DLF-G1000</td>
<td>grey</td>
<td>25</td>
<td>2.2</td>
<td>1000 / 3280</td>
<td>m / ft</td>
<td>11.0</td>
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<tr>
<td>257 81 025</td>
<td>DLF-W25</td>
<td>white</td>
<td>25</td>
<td>2.2</td>
<td>25 / 82</td>
<td>m / ft</td>
<td>0.2</td>
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<tr>
<td>257 81 050</td>
<td>DLF-W50</td>
<td>white</td>
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<td>2.2</td>
<td>50 / 164</td>
<td>m / ft</td>
<td>0.4</td>
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<tr>
<td>257 81 502</td>
<td>DLF-W500</td>
<td>white</td>
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<td>2.2</td>
<td>500 / 1640</td>
<td>m / ft</td>
<td>4.0</td>
</tr>
</tbody>
</table>

### Polymer Optical Fibre characteristics

- **Class (regarding IEC 60793-2):** A4.a2
- **Acceptable temperature:**
  - grey: -40 °C to +85 °C (-40°F to 185°F), white: -55 °C to +70 °C
- **Tensile strength:** ≥140 N
- **Core material:** grey PVC, white PE
- **Core refractive index:** 1.49
- **Refractive index:** step index
- **Numerical aperture:** 0.5
- **Core / Cladding diameter:** 980 µm / 1000 µm

### Optical characteristics

- **Attenuation:** 0.17 dB/m
- **Wavelength:** 650 nm typ.

### Accessories

- **Medium duty corrugated plastic conduit:** DLC1011  257 40 011
- **Connector:** DLFCON  257 50 002
- **Auxiliary tool:** DLCUT  257 90 001
- **Switch:** DLES1026  257 31 026
- **Network access socket:** DLUP1021  257 20 021
- **Wifi access point:** DLWUP111  257 21 111

### Hotline

Since technical developments cannot be foreseen, electrical installations should provide the possibility to be expanded at any time. If you generously install a system of unused conduits today, you can easily expand your electrical installations later. You save lots of time, money and effort!

We are happy to help you with any technical questions. Prompt information can be obtained from our technical consultants at +49 9525 88-8123.