**Fibre optic cables and connecting hardware**

**FO data cables**

- **Simplex / I-V(ZN)H - 2.0 mm / 2.8 mm - 1 fibre**
- **Zipcord / I-V(ZN)H - 1.8 mm / 2.0 mm / 2.8 mm - 2 fibres**
- **Duplex / I-V(ZN)HH - 2.0 mm / 2.8 mm - 2 fibres**
- **FTTH / I-M(ZN)H - 2.2 mm - 4 fibres**
- **FTTH STB / I-V(ZN)H - 2.8 mm - 4 fibres**
- **ZGGFR / J-B(ZN)BH - 5.9 mm - up to 12 fibres**
- **szGGFR / J-B(ZN)BH - 5.9 - 15.8 mm - up to 144 fibres**

**FO Indoor cables**

- **U-DQ(ZN)BH - 4 up to 24 fibres**
- **U-DQ(ZN)BH - 24 up to 144 fibres**
- **ZGGFR Easy Blow / U-DQ(ZN)BH - 4 up to 24 fibres**
- **ZGGFR Safety / U-DQ(ZN)BH - 4 up to 12 fibres**
- **wbGGFR Safety / U-DQ(ZN)BH - 24 up to 60 fibres**

**FO Universal cables**

- **ZGGT HP / A-DQ(ZN)B2Y HighP - 4 up to 24 fibres**
- **wbKT W / A-DQ(ZN)(SR)2Y - 4 up to 24 fibres**
- **wbKT W / A-DQ(ZN)(SR)2Y - 24 up to 144 fibres**
- **wbKT W / A-DQ(ZN)(SR)2Y - 24 up to 288 fibres**
- **wbKT W / A-DQ(ZN)(SR)2Y - 24 up to 576 fibres**
- **wbKT W / A-DQ(ZN)(SR)2Y - 24 up to 1008 fibres**
- **ZT S-Micro / A-D2Y - 4 up to 24 fibres**
- **ZT S-Micro / A-D2Y - 12 up to 144 fibres**
- **ZT S-Micro / A-D2Y - 24 up to 288 fibres**

**FO Outdoor cables**

- **ZGGT HP / A-DQ(ZN)B2Y - 4 up to 24 fibres**
- **wbGT HP / A-DQ(ZN)B2Y - 12 up to 288 fibres**
- **wbGT HP / A-DQ(ZN)B2Y - 180 up to 576 fibres**
- **wbGT HP / A-DQ(ZN)B2Y - 12 up to 144 fibres**
- **ZT S-Micro / A-D2Y - 4 up to 24 fibres**
- **ZT S-Micro / A-D2Y - 12 up to 144 fibres**
- **ZT S-Micro / A-D2Y - 24 up to 288 fibres**
- **ZT S-Micro / A-D2Y - 24 up to 576 fibres**
- **ZT S-Micro / A-D2Y - 24 up to 1008 fibres**

**Connecting hardware**

- Fibre optic subracks, 3U/4U, with slide-in modules (cassettes), all current FO connector types
- Breakout boxes and splice boxes, extractable or telescopic, 1 and 2 U, all current FO connector types
- Distribution boxes, wall mounted, different sizes and assemblies
- Fibre optic adapters / couplers

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Our cables are available in different Euroclasses. For the available Euroclasses and packagings please refer to the online data sheets on www.cabling.datwyler.com.
### Patch cables and pigtails
- SCD ...
- ST ...
- LCD - also available with LCD Uniboot and changeable polarity
- SC/PC ...
- MTP* ...
- LCD Uniboot for round cables IEC 61754-20
- SC and SC/APC IEC 61754-4
- LSH and LSH/APC IEC 61754-15
- FC/PC and FC/APC IEC 61754-13
- MPO (MTP*) IEC 61754-7

### Terminated connectors
- Pre-terminated trunk cable with crush-resistant hose protection
- Pre-terminated trunk cable with textile hose protection
- Breakout assembly
- Fanout MPO on 6 x LCD

### Fibre optic trunks
Pre-terminated FO cables are delivered with measurement report. These trunks can be terminated in fibre optic breakout boxes.

### Connector type
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<td>20</td>
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<td>better than C1</td>
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<tr>
<td>MTP/MPO MM</td>
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<td>0.25</td>
<td>25</td>
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<tr>
<td>MTP/MPO SM</td>
<td>0.3</td>
<td>0.3</td>
<td>65</td>
<td>65</td>
<td>better than C1</td>
</tr>
</tbody>
</table>

All connectors are tested with our simplex, duplex and mini-zipcord cables as well as with our pigtails.

Subject to technical modification.
**Selection criteria**

The Datwyler product range consists of different types of optical fibre.

The following overview lists some of the more important criteria which will help you select for the fibre types that meet your specific requirements.

### Transmission
- **Transmission application**
- **maximum attenuation dB/km**
  - 850 nm (installed)
  - 1300 /1310 nm (installed)
  - 1383 nm (installed)
  - 1550 nm (installed)
  - 1625 nm (installed)
- **max. PMD ps/√km (installed)**
- **LED 850/1300 nm** (typical: 100 Mbit/s)
- **VCSEL 850 nm** (1 GbE-25 GbE)
- **Laser 1310-1625 nm**

### Link lengths
- **CWDM systems**
  - 1 GbE link length
  - 10 GbE link length
  - 40/100GbE link length
  - 40GBASE-LR4 & 100GBASE-SR4
  - 100GBASE-ER4

*Not only the fibre type and quality determine the achievable link length. The achievable lengths significantly depend on the transceiver type and quality. There are transceivers for so-called „short reach” applications (e.g.10GG-LR4 via SMF, 2 km) as well as transceivers for an „extended reach” (100G-ELR4 via OM4, 300 m) available.*

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**WE WILL BE HAPPY TO ADVISE YOU!**

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