PRODUCT OVERVIEW
COMPONENTS FOR FTTX CABLING SYSTEMS
Innovative integrated solutions for your high-speed fibre optic networks
**FTTX CABLING SYSTEMS**

Flexible cost-effective infrastructure solutions are essential for the deployment and expansion of fibre optic networks in subscribers’ buildings and homes. At Datwyler we supply you with the appropriate FTTx systems for backbone, access and in-house areas as all-in-one solutions from a single source. With the products on offer here you can enjoy all the benefits of Datwyler technology: top quality, finely coordinated tried and tested components, and innovations which save you time and money, e.g. ultra-thin blown cables, bend-optimised fibres, pre-assembled products and flexible splitting concepts.

If you wish, we would also be happy to collaborate with our expert partners in providing you with professional business and engineering planning support in the run-up to your project through to turnkey implementation in the passive network area.

If you are interested please don’t hesitate to contact us.

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**Indoor cables**

- **FO Indoor FTTH / I-M(ZN)H**
  - 2.2 mm, LS0H
- **FO Indoor FTTH TB / I-V(ZN)H**
  - 2.8 mm, LS0H

**Universal cables**

- **FO Universal U-DQ(ZN)BH**
  - up to 24 fibres
- **FO Universal U-DQ(ZN)BH**
  - up to 144 fibres
- **FO Universal ZGGFR Easy Blow / U-DQ(ZN)BH**
- **FO Universal wBGFFR Easy Blow / U-DQ(ZN)BH**

**Outdoor cables**

- **FO Outdoor wbKT HP / A-DQ(ZN)B2Y**
  - HighP
- **FO Outdoor ZGGT HP / A-DQ(ZN)B2Y**
  - HighP
- **FO Outdoor wBGGT HP / A-DQ(ZN)B2Y**
  - HighP
- **FO Outdoor ZKT Micro / A-DQ(ZN)2Y**
  - up to 24 fibres
- **FO Outdoor wbKT Micro / A-DQ(ZN)2Y**
  - up to 144 fibres
- **FO Outdoor wbKT S-Micro / A-DQ(ZN)2Y**
  - up to 216 fibres

**Hybrid cable**

- **Hybrid cable CU 7080 4P+2 G.657.A1**

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You will find the data sheets at www.cabling.datwyler.com / Products.
FTTH data outlet AP 80 x 80
SC/APC or LCD/APC design
wall mounted, also with surface mounted or recessed housing

You will find the data sheet and more data outlets/faceplates at www.cabling.datwyler.com / Products.

Optical distribution frame ODF

19''/47U passive
In FTTx backbone and distribution networks for passive components.

19''/47U active
In FTTx backbone and distribution networks for active components.
Mobile or stationary deployment.
(without door/walls)

You will find the data sheets at www.cabling.datwyler.com / Products.

Accessories for Optical distribution frame ODF

passive/active

You will find further accessories on request.

More accessories on request.

Mobile or stationary deployment.
(without door/walls)
High-density optical drawer
19''/2U pivoting splice box OV-S
equipped with LC/APC quad adapters

FO splice box OV-A
19''/1U, loaded

FO modular subrack OV-BG
19''/3U and 19''/4U

### FO patch cords

<table>
<thead>
<tr>
<th>Pigtails</th>
<th>Length (m)</th>
<th>Article no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Side A</td>
<td>Side B</td>
<td></td>
</tr>
<tr>
<td>SC</td>
<td>G.652.D*</td>
<td>421910</td>
</tr>
<tr>
<td>SC/PC</td>
<td>G.652.D*</td>
<td>425710</td>
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<tr>
<td>LC</td>
<td>G.652.D*</td>
<td>421911</td>
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<tr>
<td>LC/PC</td>
<td>G.652.D*</td>
<td>423321</td>
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<tr>
<td>LSH</td>
<td>G.652.D*</td>
<td>424421</td>
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<tr>
<td>FC/PC</td>
<td>G.652.D*</td>
<td>425521</td>
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<tr>
<td>SC/APC</td>
<td>G.652.D*</td>
<td>427721</td>
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<tr>
<td>LSH/APC</td>
<td>G.652.D*</td>
<td>428821</td>
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</table>

You will find the data sheets and more FO patch cords at www.cabling.datwyler.com / Products.

* also available with G.657.A1 on request.

You will find the data sheets at www.cabling.datwyler.com / Products.

### High-density optical drawer

19''/2U pivoting splice box OV-S

FO modular subrack OV-BG

article no. Description Opening Equipment Pigtail Colour PU

FO modular subrack OV-BG

article no. Description Loaded with Dimensions Colour PU

FO modular subrack OV-BG

Other configurations on request.
FO distribution box 01

The fibre optic distribution box 01 is the FO termination point in the building. For one-family or multi-family houses and small office blocks.

<table>
<thead>
<tr>
<th>Article no.</th>
<th>Description</th>
<th>Splice capacity</th>
<th>Length (mm)</th>
<th>Diameter (mm)</th>
<th>PU</th>
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</thead>
<tbody>
<tr>
<td>344705</td>
<td>FO distribution box 01 with 1 coupler LC/APC quad and with 4x pigtail G.657.A1 - LC/APC, ready-to-splice, with lock</td>
<td>4x pigtail G.657.A1 - LC/APC</td>
<td>222 x 312</td>
<td>1 pc</td>
<td></td>
</tr>
<tr>
<td>344706</td>
<td>FO distribution box 01 with 2 couplers LC/APC quad and with 8x pigtail G.657.A1 - LC/APC, ready-to-splice, with lock</td>
<td>8x pigtail G.657.A1 - LC/APC</td>
<td>222 x 312</td>
<td>1 pc</td>
<td></td>
</tr>
<tr>
<td>344707</td>
<td>FO distribution box 01 with 3 couplers LC/APC quad and with 12x pigtail G.657.A1 - LC/APC, ready-to-splice, with lock</td>
<td>12x pigtail G.657.A1 - LC/APC</td>
<td>222 x 312</td>
<td>1 pc</td>
<td></td>
</tr>
<tr>
<td>344709</td>
<td>FO distribution box 01 with 4 couplers SC/APC duplex and with 8x pigtail G.657.A1 - SC/APC, ready-to-splice, with lock</td>
<td>8x pigtail G.657.A1 - SC/APC</td>
<td>222 x 312</td>
<td>1 pc</td>
<td></td>
</tr>
</tbody>
</table>

Other configurations on request.

FO splice closures and splice trays

<table>
<thead>
<tr>
<th>Article no.</th>
<th>Description</th>
<th>Splice capacity</th>
<th>Length (mm)</th>
<th>Diameter (mm)</th>
<th>PU</th>
</tr>
</thead>
<tbody>
<tr>
<td>345000</td>
<td>FO splice closure FDN-IR, unloaded</td>
<td>up to 144 fibres</td>
<td>222 x 312</td>
<td>1 pc</td>
<td></td>
</tr>
<tr>
<td>345001</td>
<td>FO splice closure FDN-IR, unloaded up to 288 fibres</td>
<td>222 x 312</td>
<td>1 pc</td>
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<td></td>
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<tr>
<td>345002</td>
<td>FO splice closure FDN-IR, unloaded up to 576 fibres</td>
<td>222 x 312</td>
<td>1 pc</td>
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<td></td>
</tr>
<tr>
<td>345003</td>
<td>FO splice closure FDN-IR, unloaded up to 864 fibres</td>
<td>222 x 312</td>
<td>1 pc</td>
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<td></td>
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<tr>
<td>345004</td>
<td>FO splice closure UFC-IR, unloaded up to 144 fibres</td>
<td>275 x 310</td>
<td>1 pc</td>
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</tr>
<tr>
<td>345005</td>
<td>FO splice closure UFC, unloaded, cablelok™ up to 1152 fibres</td>
<td>275 x 310</td>
<td>1 pc</td>
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</tr>
<tr>
<td>345006</td>
<td>FO splice closure UFC, unloaded, shrink up to 1152 fibres</td>
<td>275 x 310</td>
<td>1 pc</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Please note that the maximum splice capacity depends on the respective number of splice trays. Splice trays to be ordered separately.

FTTx outdoor distributors

Street side cable branch cabinets

Datwyler can supply ready-to-use pre-assembled FTTx outdoor distributors on request, in sizes to meet your requirements and with 19-inch or ETSI mounting dimensions. These street-side cable branch cabinets can be equipped step by step, i.e. in parallel to network expansion, with housings for splicing, patching or transit splicing applications. When these models are used, additional expansion costs are only incurred if new ports are needed.

Panorama CablingView

Software tool for planning and documenting your cabling infrastructure

This software solution enables you to carry out simple graphic planning and fast, clear, easily-to-understand “live” documentation of all the components in the cabling system itself and their interrelationships, as well as of the components and devices connected to them. For further information please visit www.cabling.datwyler.com / Products.

Cablelok™ is a registered trademark of HellermannTyton
Network racks
19”/25U and 19”/43U

Server racks
19”/42U and 19”/42U

Mini rack
19”/18U

<table>
<thead>
<tr>
<th>Article no.</th>
<th>Description</th>
<th>Colour (similar to)</th>
<th>PU</th>
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<tbody>
<tr>
<td>309214</td>
<td>Network rack PX 19”/25U 1300 x 600 x 800 mm</td>
<td>grey, RAL 7035</td>
<td>1 pc</td>
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<tr>
<td>309215</td>
<td>Network rack PX 19”/43U 2100 x 600 x 800 mm</td>
<td>grey, RAL 7035</td>
<td>1 pc</td>
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<tr>
<td>309216</td>
<td>Network rack PX 19”/43U 2100 x 800 x 1000 mm</td>
<td>grey, RAL 7035</td>
<td>1 pc</td>
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<tr>
<td>19X625</td>
<td>Server rack SP 19”/42U 2100 x 800 x 1000 mm</td>
<td>black, RAL 9005</td>
<td>1 pc</td>
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<tr>
<td>19X626</td>
<td>Server rack SP 19”/42U 2100 x 600 x 1000 mm</td>
<td>black, RAL 9005</td>
<td>1 pc</td>
</tr>
<tr>
<td>19X627</td>
<td>Server rack SP 19”/24U 1300 x 600 x 1000 mm</td>
<td>black, RAL 9005</td>
<td>1 pc</td>
</tr>
<tr>
<td>19X634</td>
<td>Mini rack 19”/18U 910 x 570 x 600 mm</td>
<td>grey, RAL 7035</td>
<td>1 pc</td>
</tr>
</tbody>
</table>

You will find the data sheets and more racks at www.cabling.datwyler.com / Products.

Pre-assembled fibre optic cables

The pre-assembly of FO cables enables customers to work with ready-to-install fibre optic multiple cables (trunks) in the requested lengths and types. The trunks are made to customer specifications under laboratory conditions.

You will find the data sheets at www.cabling.datwyler.com / Products.

Turnkey fiber optic distribution stations (PoPs) for FTTH and telecoms networks

Datwyler collaborates with certified partner companies to provide you with reliable, fully equipped fiber optic distribution stations from a single source. We fit the PoPs with all the facilities and systems needed to meet your requirements. Once produced by skilled professionals, the fully equipped stations are transported to the relevant site and set up. Immediately after delivery you can start terminating fiber optic links in order to establish the requisite connections promptly.

We will be happy to advise you!

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