

# FOC-FDX20-FR19-STD12-OM1-PT9 - Splice box



1145399

<https://www.phoenixcontact.com/us/products/1145399>

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Splice box, design: 1U, degree of protection: IP20, material: Metal, connection method: Splicing, housing size: 1, color: gray



## Product description

FDX 20 series 19" splice boxes, 1 RU, with removable drawer, for 12x ST duplex OM1, metal, completely ready to splice (correctly pre-mounted: 12 ST duplex couplings, 12 filler plugs, 24 pigtails, 2 cassettes, 2 combs, 1 cassette cover).  
4 cable entries (rear) incl. 2 Pg16 cable glands, 2 sealing caps, and 19" mounting set.

## Your advantages

- Intuitive front-panel operation and clear control cabinet layout thanks to uniform design
- Flexible DIN rail mounting possible in six positioning directions
- Suitable for industrial applications
- Reduced installation time with plug-and-play
- Pin assignment straight in line in a link
- Continuously reliable data connection, thanks to extensively tested components
- Snap-on mounting on standard DIN rails NS 35/7.5 or NS 35/15
- Transmission rate up to 1000 Mbps

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1145399       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | AB15          |
| Product key                          | ABNGBA        |
| GTIN                                 | 4063151135195 |
| Weight per piece (including packing) | 3,026 g       |
| Weight per piece (excluding packing) | 2,675.5 g     |
| Customs tariff number                | 85367000      |
| Country of origin                    | DE            |

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## Technical data

### Product properties

|                              |                         |
|------------------------------|-------------------------|
| Product type                 | Network distributor box |
| Series                       | FDX 20 series           |
| Type                         | 19" rack patch module   |
| Connection profile           | ST-Duplex               |
| No. of cable outlets         | 4                       |
| No. of conductors            | 24                      |
| Number of module slots       | 12                      |
| Number of slots              | 24                      |
| Type of the screw connection | 2x Pg16                 |
| Protective cover             | yes                     |

### Data management status

|                  |    |
|------------------|----|
| Article revision | 03 |
|------------------|----|

### Electrical properties

|                     |          |
|---------------------|----------|
| Attenuation         | ≤ 0.3 dB |
| Transmission medium | FO       |

### Connection data

#### Connection technology

|                   |          |
|-------------------|----------|
| Connection method | Splicing |
|-------------------|----------|

### Dimensions

|        |          |
|--------|----------|
| Width  | 480 mm   |
| Height | 44.45 mm |
| Depth  | 280 mm   |

### Mechanical characteristics

|                  |         |
|------------------|---------|
| Ferrule diameter | 2.50 mm |
|------------------|---------|

### Material specifications

|                                        |                     |
|----------------------------------------|---------------------|
| Color                                  | gray                |
| Flammability rating according to UL 94 | V0                  |
| Ferrule material                       | Zirconia ceramics   |
| Housing material                       | Metal               |
| Housing surface material               | Powder-coated, gray |

### Cable/line

|                 |                                |
|-----------------|--------------------------------|
| Cable type      | Fiberglass                     |
| Cable type      | Loose Tube                     |
| Cable structure | semi-loose compact wires (STB) |

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|                          |                |
|--------------------------|----------------|
| External cable diameter  | 7 mm ... 12 mm |
| External cable diameter  | 6 mm ... 12 mm |
| Individual wire diameter | 900 µm         |
| Single wire, color       | color coded    |
| Whip length              | 750 mm         |
| Halogen-free             | yes            |
| Flame resistance         | yes            |

## FO cable

|                     |                                  |
|---------------------|----------------------------------|
| Number of fibers    | 24                               |
| Fiber               | GOF                              |
| Fiber type          | Multimode fiberglass 62.5/125 µm |
| Attenuation         | ≤ 0.3 dB (at 850 nm / 1300 nm)   |
| Return Loss         | ≥ 35 dB (at 850 nm / 1300 nm)    |
| Transmission medium | FO                               |

## Mechanical properties

### Mechanical data

|                              |         |
|------------------------------|---------|
| Type of the screw connection | 2x Pg16 |
| Insertion/withdrawal cycles  | ≥ 500   |
| Smallest bending radius      | 30 mm   |

## Characteristics

|             |          |
|-------------|----------|
| Attenuation | ≤ 0.3 dB |
|-------------|----------|

## Environmental and real-life conditions

### Ambient conditions

|                                         |                  |
|-----------------------------------------|------------------|
| Degree of protection                    | IP20             |
| Ambient temperature (operation)         | -40 °C ... 85 °C |
| Ambient temperature (storage/transport) | -40 °C ... 85 °C |
| Ambient temperature (assembly)          | 0 °C ... 50 °C   |
| Resistance to UV radiation              | yes              |

## Standards and regulations

|                  |     |
|------------------|-----|
| Flame resistance | yes |
|------------------|-----|

## Mounting

|               |                   |
|---------------|-------------------|
| Mounting type | 19" rack mounting |
|---------------|-------------------|



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Classifications

ECLASS

|             |          |
|-------------|----------|
| ECLASS-11.0 | 19170113 |
| ECLASS-13.0 | 19170113 |

ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC002699 |
|----------|----------|

UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 43223300 |
|-------------|----------|

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Environmental product compliance

|                                         |                                          |
|-----------------------------------------|------------------------------------------|
| EU RoHS                                 |                                          |
| Fulfills EU RoHS substance requirements | Yes, No exemptions                       |
| China RoHS                              |                                          |
| Environment friendly use period (EFUP)  | EFUP-E                                   |
|                                         | No hazardous substances above the limits |
| EU REACH SVHC                           |                                          |
| REACH candidate substance (CAS No.)     | No substance above 0.1 wt%               |

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## Mandatory accessories

### FOC-SHRINKSPLICE-PROTECT - Shrink splice protection

1019676

<https://www.phoenixcontact.com/us/products/1019676>



Shrink splice protection, design: Straight, degree of protection: IP20, cable outlet: above and below, color: transparent

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### FOC-CRIMPSPLICE-PROTECT - Crimp splice protection

1019678

<https://www.phoenixcontact.com/us/products/1019678>



Crimp splice protection, design: Straight, degree of protection: IP20, connection method: Crimp connection, cable outlet: above and below, color: Bare metallic

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## Accessories

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## FOC-ST:PA-ST:PA-OM1:D01/1 - FO patch cable

1146501

<https://www.phoenixcontact.com/us/products/1146501>

Multi-mode OM1 duplex jumper, ST-ST, UPC polishing, length 1 m

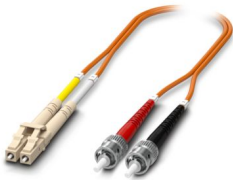


## FOC-LC:PA-ST:PA-OM1:D01/1 - FO patch cable

1146499

<https://www.phoenixcontact.com/us/products/1146499>

Multi-mode OM1 duplex jumper, LC-ST, UPC polishing, length 1 m



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## FOC-ST:PA-ST:PA-OM1:D01/2 - FO patch cable

1146509

<https://www.phoenixcontact.com/us/products/1146509>

Multi-mode OM1 duplex jumper, ST-ST, UPC polishing, length 2 m

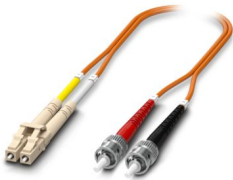


## FOC-LC:PA-ST:PA-OM1:D01/2 - FO patch cable

1146508

<https://www.phoenixcontact.com/us/products/1146508>

Multi-mode OM1 duplex jumper, LC-ST, UPC polishing, length 2 m



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## FOC-ST:PA-ST:PA-OM1:D01/5 - FO patch cable

1146517

<https://www.phoenixcontact.com/us/products/1146517>

Multi-mode OM1 duplex jumper, ST-ST, UPC polishing, length 5 m

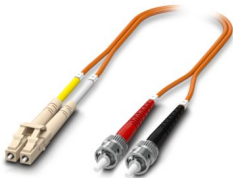


## FOC-LC:PA-ST:PA-OM1:D01/5 - FO patch cable

1146516

<https://www.phoenixcontact.com/us/products/1146516>

Multi-mode OM1 duplex jumper, LC-ST, UPC polishing, length 5 m



# FOC-FDX20-FR19-STD12-OM1-PT9 - Splice box



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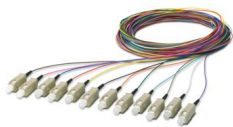
<https://www.phoenixcontact.com/us/products/1145399>

## FOC-PT9:SC-OM1/2.5 - Fiber optic cable

1208107

<https://www.phoenixcontact.com/us/products/1208107>

Fiber optic cable, design: LC, degree of protection: IP20, cable length: 2.5 m, number of positions: 12, connection method: SC, cable outlet: straight, color: beige



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## FOC-PT9:ST-OM1/2.5 - Fiber optic cable

1208117

<https://www.phoenixcontact.com/us/products/1208117>

Fiber optic cable, design: ST series, degree of protection: IP20, cable length: 2.5 m, number of positions: 12, connection method: ST, cable outlet: straight, color: silver/glossy



# FOC-FDX20-FR19-STD12-OM1-PT9 - Splice box



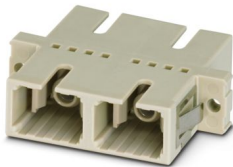
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## FOC-ADAPTER:SCD/SCD-MM - Fiber optic coupling

1208081

<https://www.phoenixcontact.com/us/products/1208081>



Fiber optic coupling, degree of protection: IP20, number of positions: 2, material: Plastic, connection method: Coupling, cable outlet: straight, color: beige, Ethernet

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## FOC-ADAPTER:SCD/SCD-MM-ME - Fiber optic coupling

1208083

<https://www.phoenixcontact.com/us/products/1208083>



Fiber optic coupling, degree of protection: IP20, number of positions: 2, material: Metal, connection method: Coupling, cable outlet: straight, color: silver/matt, Ethernet

# FOC-FDX20-FR19-STD12-OM1-PT9 - Splice box

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## FOC-ADAPTER:STD/SCD-MM - Fiber optic coupling

1208096

<https://www.phoenixcontact.com/us/products/1208096>



Fiber optic coupling, degree of protection: IP20, number of positions: 2, material: Metal, connection method: Coupling, cable outlet: straight, color: silver/matt, Ethernet

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## FOC-OE-OE-GL-U-OM1-24/... - FO cable

1286217

<https://www.phoenixcontact.com/us/products/1286217>



GOF universal cable, 24-wire, loose tube cable for fixed installation, non-metallic rodent protection, can be easily stripped, UV-resistant, high mechanical and thermal stability, low smoke, halogen-free and self-extinguishing, improved tread resistance, longitudinally and transversely watertight

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## FOC-OE-OE-GL-U-OM1-12/... - FO cable

1286223

<https://www.phoenixcontact.com/us/products/1286223>



GOF universal cable, 12-wire, loose tube cable for fixed installation, non-metallic rodent protection, can be easily stripped, UV-resistant, high mechanical and thermal stability, low smoke, halogen-free and self-extinguishing, improved tread resistance, longitudinally and transversely watertight

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Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)