

# FOC-FDX20-FR19-LCD12-OM2-PT91 - Splice box



1145416

<https://www.phoenixcontact.com/us/products/1145416>

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Splice box, design: 19" rack patch module, 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 LC duplex OM2, gray, completely ready to splice (correctly pre-mounted: 12 LC 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 NS 35/7,5 or NS 35/15 DIN rails
- Transmission rate up to 1,000 Mbps

## Commercial Data

Item number	1145416
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	AB11
Product Key	ABNAIB
GTIN	4063151135751
Weight per Piece (including packing)	2,937 g
Weight per Piece (excluding packing)	22.22 g
Customs tariff number	85367000
Country of origin	DE

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## Technical Data

### Product properties

Type	19" rack patch module
Product type	Network distributor box
Connection profile	LC-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
Series	FDX 20 series

### Electrical properties

Attenuation	≤ 0.3 dB
Transmission medium	FO

### Connection data

#### Connection technology

Connection method	Splicing
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### Dimensions

Width	480 mm
Height	44.45 mm
Depth	280 mm

#### Mechanical characteristics

Ferrule diameter	1.25 mm
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### Material specifications

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

### Cable/line

Cable type	Fiberglass
Cable type	Loose Tube
Cable structure	semi-loose compact wires (STB)
External cable diameter	6 mm ... 12 mm
External cable diameter	7 mm ... 12 mm
Individual wire diameter	900 µm

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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	Multi-mode 50/125 µm fiberglass
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

## Characteristics

Attenuation	≤ 0.3 dB
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## 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

Resistance to UV radiation	yes
Flame resistance	yes

## Mounting

Mounting type	19" rack mounting
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## Approvals



**EAC**

Approval ID: B.01687

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## Classifications

### ECLASS

ECLASS-11.0	19170113
ECLASS-12.0	19170113
ECLASS-13.0	19170113

### ETIM

ETIM 8.0	EC002699
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### UNSPSC

UNSPSC 21.0	43223300
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## Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e No hazardous substances above threshold values
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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

# FOC-FDX20-FR19-LCD12-OM2-PT91 - Splice box

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<https://www.phoenixcontact.com/us/products/1145416>

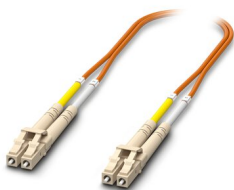


## FOC-LC:PA-LC:PA-OM2:D01/1 - FO patch cable

1115633

<https://www.phoenixcontact.com/us/products/1115633>

Multi-mode OM2 duplex jumper, LC-LC, UPC polishing, length 1 m



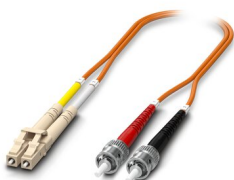
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## FOC-LC:PA-ST:PA-OM2:D01/1 - Fiber optic cable

1115588

<https://www.phoenixcontact.com/us/products/1115588>

Multi-mode OM2 duplex jumper, LC-ST, UPC polishing, length 1 m





# FOC-FDX20-FR19-LCD12-OM2-PT91 - Splice box



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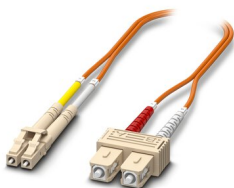
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## FOC-LC:PA-SC:PA-OM2:D01/1 - FO patch cable

1115607

<https://www.phoenixcontact.com/us/products/1115607>

Multi-mode OM2 duplex jumper, LC-SC, UPC polishing, length 1 m



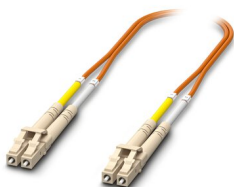
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## FOC-LC:PA-LC:PA-OM2:D01/2 - FO patch cable

1115634

<https://www.phoenixcontact.com/us/products/1115634>

Multi-mode OM2 duplex jumper, LC-LC, UPC polishing, length 2 m



# FOC-FDX20-FR19-LCD12-OM2-PT91 - Splice box



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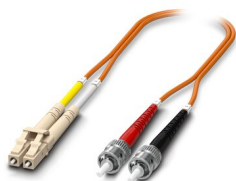
<https://www.phoenixcontact.com/us/products/1145416>

## FOC-LC:PA-ST:PA-OM2:D01/2 - Fiber optic cable

1115587

<https://www.phoenixcontact.com/us/products/1115587>

Multi-mode OM2 duplex jumper, LC-ST, UPC polishing, length 2 m



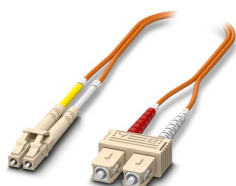
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## FOC-LC:PA-SC:PA-OM2:D01/2 - FO patch cable

1115605

<https://www.phoenixcontact.com/us/products/1115605>

Multi-mode OM2 duplex jumper, LC-SC, UPC polishing, length 2 m



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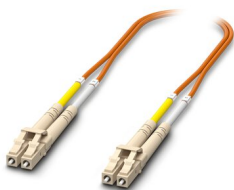
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## FOC-LC:PA-LC:PA-OM2:D01/5 - FO patch cable

1115637

<https://www.phoenixcontact.com/us/products/1115637>

Multi-mode OM2 duplex jumper, LC-LC, UPC polishing, length 5 m



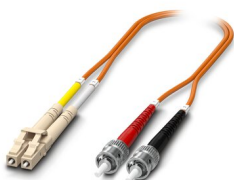
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## FOC-LC:PA-ST:PA-OM2:D01/5 - FO patch cable

1115584

<https://www.phoenixcontact.com/us/products/1115584>

Multi-mode OM2 duplex jumper, LC-ST, UPC polishing, length 5 m



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

1207355

<https://www.phoenixcontact.com/us/products/1207355>



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-PT9:LC-OM2/2.5 - FO cable

1208101

<https://www.phoenixcontact.com/us/products/1208101>



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

# FOC-FDX20-FR19-LCD12-OM2-PT91 - Splice box



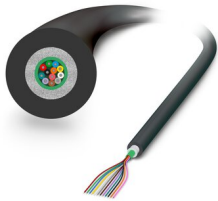
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## FOC-OE-OE-GL-U-OM2-12/... - FO cable

1286222

<https://www.phoenixcontact.com/us/products/1286222>



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

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## FOC-OE-OE-GL-U-OM2-24/... - FO cable

1286215

<https://www.phoenixcontact.com/us/products/1286215>



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

# FOC-FDX20-FR19-LCD12-OM2-PT91 - Splice box



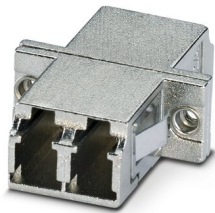
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<https://www.phoenixcontact.com/us/products/1145416>

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

1208069

<https://www.phoenixcontact.com/us/products/1208069>



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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