

FOC-FDX20-PP-LCD6-OSA-PT9 - Splice box



1083665

<https://www.phoenixcontact.com/in/products/1083665>

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Splice box, design: Rail-mountable module, degree of protection: IP20, material: Metal, connection method: Splicing, cable outlet: above and below, housing size: 1, color: gray, Ethernet

Product description

FDX 20 series DIN rail splice box, equipped with 6x LC duplex couplings, fully assembled and ready for splicing, with pre-assembled 900 µm pigtails (OS2) and splice holder (for separately sold shrink and crimp splice protection) on a patented splice comb made from powder-coated sheet steel. Cable insertion possible via cable gland either at the top or bottom. Housing (2-part) prepared for DIN rail mounting through rear-side adapter (this can also be mounted on the side).

Scope of supply:

DIN rail housing with integrated splice comb (mounted), equipped with 6x LC duplex couplings, 12x pigtails (OS2), 1x splice holder, 1x cable gland (M20x1.5)

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	1083665
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	ABN
Product key	ABNGAA
Catalog page	Page 381 (C-2-2019)
GTIN	4055626819518
Weight per piece (including packing)	748.5 g
Weight per piece (excluding packing)	577 g
Customs tariff number	85367000
Country of origin	DE

Technical data

Notes

Order information:

In addition, shrink splice protection (Item No.: 1019676) or crimp splice protection (Item No.: 1019678) must be ordered separately.

Product properties

Product type	Network distributor box
Series	FDX 20 series
Type	Rail-mountable module
Sensor type	Ethernet
Connection profile	LC-Duplex
No. of cable outlets	2
No. of conductors	12
Number of module slots	6
Number of slots	12
Type of the screw connection	M20 x 1.5
Protective cover	yes
Cable outlet	above and below

Electrical properties

Attenuation	≤ 0.3 dB
Transmission medium	FO

Connection data

Connection technology

Connection method	Splicing
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Dimensions

Width	40 mm
Height	130 mm
Depth	115 mm

Housing

Housing width	40 mm
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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 material	Metal

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Housing surface material	Powder-coated, gray
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Cable/line

Cable type	Single-mode fiberglass
Cable type	900 µm
Cable structure	semi-loose compact wires (STB)
External cable diameter	6 mm ... 12 mm
External cable diameter	6 mm ... 12 mm
Wire diameter incl. insulation	900 µm
Individual wire diameter	900 µm (250/900 µm)
Single wire, color	Assignment color-coded in accordance with IEC 60794-2
Halogen-free	yes
Resistance to oil	no
Flame resistance	yes

FO cable

Number of fibers	12
Fiber	GOF
Fiber type	Single-mode fiberglass, resistant to bending G.657 A2
Attenuation	≤ 0.3 dB (at 1310 nm / 1550 nm)
Return Loss	≥ 50 dB (at 1310 nm / 1550 nm)
Transmission medium	FO

Mechanical properties

Mechanical data

Type of the screw connection	M20 x 1.5
Insertion/withdrawal cycles	≥ 500
Smallest bending radius	30 mm

Characteristics

Attenuation	≤ 0.3 dB
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Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20 (according to IEC 60529)
	IP20
Ambient temperature (operation)	-25 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Ambient temperature (assembly)	0 °C ... 50 °C
Resistance to UV radiation	yes
Resistance to oil	no

Standards and regulations

Flame resistance	yes
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Resistance to oil	no
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Mounting

Mounting type	DIN rail mounting
Assembly note	Option for flexible replugging of DIN rail adapter

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Classifications

ECLASS

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

ETIM

ETIM 9.0	EC001130
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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/in/products/1019676>



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

FOC-CRIMPSPLICE-PROTECT - Crimp splice protection

1019678

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



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

Accessories

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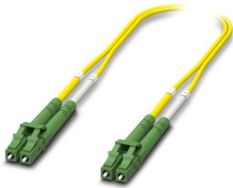


FOC-LC:AA-LC:AA-OS2:D01/1 - FO patch cable

1115630

<https://www.phoenixcontact.com/in/products/1115630>

Single-mode OS2 duplex jumper, LC-LC, APC polishing, length 1 m

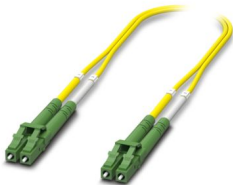


FOC-LC:AA-LC:AA-OS2:D01/2 - FO patch cable

1115640

<https://www.phoenixcontact.com/in/products/1115640>

Single-mode OS2 duplex jumper, LC-LC, APC polishing, length 2 m



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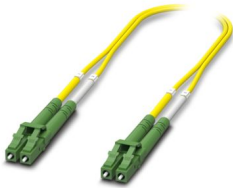
<https://www.phoenixcontact.com/in/products/1083665>

FOC-LC:AA-LC:AA-OS2:D01/5 - FO patch cable

1115631

<https://www.phoenixcontact.com/in/products/1115631>

Single-mode OS2 duplex jumper, LC-LC, APC polishing, length 5 m

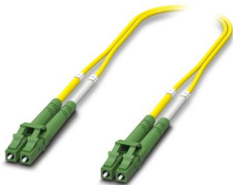


FOC-LC:AA-LC:AA-OS2:D01/3 - FO patch cable

1115632

<https://www.phoenixcontact.com/in/products/1115632>

Single-mode OS2 duplex jumper, LC-LC, APC polishing, length 3 m



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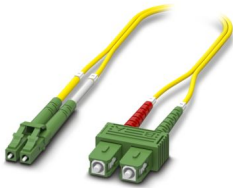


FOC-LC:AA-SC:AA-OS2:D01/1 - FO patch cable

1115613

<https://www.phoenixcontact.com/in/products/1115613>

Single-mode OS2 duplex jumper, LC-SC, APC polishing, length 1 m

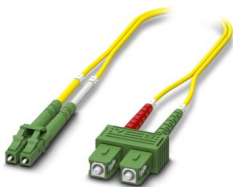


FOC-LC:AA-SC:AA-OS2:D01/2 - FO patch cable

1115612

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Single-mode OS2 duplex jumper, LC-SC, APC polishing, length 2 m



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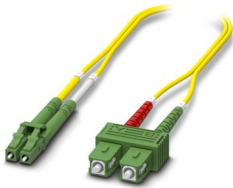
<https://www.phoenixcontact.com/in/products/1083665>

FOC-LC:AA-SC:AA-OS2:D01/3 - FO patch cable

1115611

<https://www.phoenixcontact.com/in/products/1115611>

Single-mode OS2 duplex jumper, LC-SC, APC polishing, length 3 m

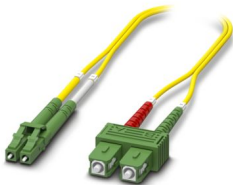


FOC-LC:AA-SC:AA-OS2:D01/5 - FO patch cable

1115610

<https://www.phoenixcontact.com/in/products/1115610>

Single-mode OS2 duplex jumper, LC-SC, APC polishing, length 5 m



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FOC-OE-OE-GL-U-OS2-12/... - FO cable

1286219

<https://www.phoenixcontact.com/in/products/1286219>



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

FOC-TOOL-FERRULECLEANER-1.25 - FO accessories

1407032

<https://www.phoenixcontact.com/in/products/1407032>



Ferrule cleaner, 1.25 mm, for LC, approx. 500 cleaning cycles

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FOC-TOOL-STICKCLEANER-1.25 - FO accessories

1407000

<https://www.phoenixcontact.com/in/products/1407000>



Stick cleaner for couplings and plug end faces, 1.25 mm (LC), Pcs. / Pkt.: 10

A-INSP-M20-68N-P-LG - Screw plug

1424519

<https://www.phoenixcontact.com/in/products/1424519>



Screw plug, material for screw connection: PA, connecting thread: M20 x 1.5, color: lightgray RAL 7035, with O-ring

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WP-CN PA M20 - Counter nut

3241134

<https://www.phoenixcontact.com/in/products/3241134>

Counter nut, for threads M20, color: gray



SF-PH 1-80 - Screwdriver

1212559

<https://www.phoenixcontact.com/in/products/1212559>

Screwdriver, PH crosshead (lasered), uninsulated, size: PH 1 x 80, 2-component grip, with non-slip grip



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SF-SL 1,0X5,5-150 - Screwdriver

1212552

<https://www.phoenixcontact.com/in/products/1212552>

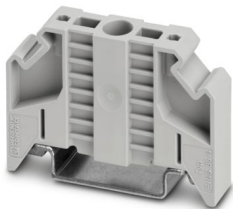


Screwdriver, bladed (lasered), size: 1.0 x 5.5 x 150 mm, 2-component grip, with non-slip grip

E/NS 35 N - End bracket

0800886

<https://www.phoenixcontact.com/in/products/0800886>



End clamp, width: 9.5 mm, color: gray

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NBC-PP-G1PGY - DIN rail adapter

1041740

<https://www.phoenixcontact.com/in/products/1041740>



DIN rail adapter, design: Headers with shielding, degree of protection: IP20, material: PC-GF10, connection method: Quick connection, without assembled modules

FL DIN RA - DIN rail adapter

2891053

<https://www.phoenixcontact.com/in/products/2891053>



The FL DIN RA is installed in a standard, 19-inch rack (EIA-310-D, IEC 60297-3-100) to allow DIN rail mounted equipment to be rack mounted.

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G-INS-M20-S68N-PNES-GY - Cable gland

1411125

<https://www.phoenixcontact.com/in/products/1411125>



Cable gland, material for screw connection: PA, application: Standard, external cable diameter 6 mm ... 12 mm, shielding: no, connecting thread: M20 x 1.5, color: silver-gray RAL 7001

TML (104X10)R - Marker strip

0801835

<https://www.phoenixcontact.com/in/products/0801835>



Marker strip, Roll, white, unlabeled, can be labeled with: THERMOMARK E.300 (D)/600 (D), THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, mounting type: adhesive, for terminal block width: 104 mm, Number of individual labels: 1500, text field height: 10 mm, text field width: 104 mm

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TML (EX9,5)R TR - Marker strip

0816634

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Marker strip, Roll, transparent, unlabeled, can be labeled with: THERMOMARK E.300 (D)/600 (D), THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMaster 300/600, THERMOMARK X1.2, mounting type: adhesive, for terminal block width: 30000 mm, Number of individual labels: 1, text field height: 9.5 mm, text field width: 40000 mm

EMLS (70X32)R SR - Safety label with special adhesive

0800346

<https://www.phoenixcontact.com/in/products/0800346>



Safety label with special adhesive, Roll, silver, unlabeled, can be labeled with: THERMOMARK E.300 (D)/600 (D), THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMaster 300/600, THERMOMARK X1.2, mounting type: adhesive, Number of individual labels: 500, text field height: 32 mm, text field width: 70 mm

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EML-HA (76X51)R - Label for rough surfaces

0830609

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Label for rough surfaces, Roll, white, unlabeled, can be labeled with: THERMOMARK E.300 (D)/600 (D), THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, mounting type: adhesive, Number of individual labels: 1000, text field height: 51 mm, text field width: 76 mm

PML-W100 (25X25)R - Warning label

0830429

<https://www.phoenixcontact.com/in/products/0830429>



Warning label, Roll, yellow/black, unlabeled, can be labeled with: THERMOMARK E.300 (D)/600 (D), THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, mounting type: adhesive, diameter: 0 mm, Number of individual labels: 500, text field height: 25 mm, text field width: 25 mm

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LS-EMLP (60X15) WH - Device marker

0831696

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Device marker, Sheet, white, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, mounting type: adhesive, Number of individual labels: 20, text field height: 15 mm, text field width: 60 mm



WML-RFID/HF 14 (25X19)R - Cable marker

0803386

<https://www.phoenixcontact.com/in/products/0803386>



Cable marker label with RFID-HF transponder, roll, white, unmarked, can be printed with: THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK X1.2, mounting type: adhesive, min. cable diameter: 9 mm, max. cable diameter: 14 mm, lettering field size: 25 x 19 mm

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PHOENIX CONTACT (I) Pvt. Ltd.

A-58/2, Okhla Industrial Area, Phase - II, New Delhi-110 020

+91.1275.71420

info@phoenixcontact.co.in