

FOC-SC:PA-SC:PA-OS2:D01/1 - FO patch cable

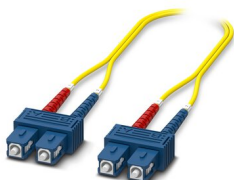


1115550

<https://www.phoenixcontact.com/us/products/1115550>

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



Your advantages

- Glass fiber optical, 8-shaped FO cable jumper
- Made of halogen-free flame-retardant material, RoHS compliant
- Excellent mechanical and optical properties

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1115550 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | AB16 |
| Product key | ABNIBC |
| GTIN | 4063151039646 |
| Weight per piece (including packing) | 31 g |
| Weight per piece (excluding packing) | 13 g |
| Customs tariff number | 85447000 |
| Country of origin | CN |

Technical data

Product properties

| | |
|---------------------|-------------------------|
| Product type | Data cable preassembled |
| Number of positions | 2 |
| Connection profile | SC/UPC-SC/UPC connector |

Electrical properties

| | |
|---------------------|------------------------|
| Transmission medium | Single-mode fiberglass |
| Transmission speed | 100 GBit/s |

Mechanical properties

| | |
|---------------------------------------|------|
| Tensile strength short-term/long-term | 70 N |
|---------------------------------------|------|

Mechanical data

| | |
|-----------------------------|-------|
| Insertion/withdrawal cycles | ≥ 500 |
|-----------------------------|-------|

Material specifications

| | |
|--|------|
| Flammability rating according to UL 94 | V0 |
| Outer sheath, material | LSZH |

Dimensions

External dimensions

| | |
|------------------------|------|
| External diameter min. | 2 mm |
| External diameter max. | 4 mm |

Connector

Connection 2

| | |
|------|----------------|
| Type | Plug SC duplex |
|------|----------------|

Cable/line

| | |
|-----------------------------------|------------------------|
| Cable length | 1.00 m |
| Cable weight | 5.30 kg/km |
| Cable type | Single-mode fiberglass |
| Cable type | Zip cord |
| Cable abbreviation | I-V(ZN)H |
| Cable structure | Figure 8 cable |
| External cable diameter | 2.00 mm |
| Outer sheath, material | LSZH |
| External sheath, color | yellow |
| Single wire, number of litz wires | 2 |
| Individual wire diameter | 900 µm |
| Bending radius, long-term | 50 mm |

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| | |
|---|---|
| Bending radius short term/long term | 30 mm |
| Smallest bending radius, fixed installation | 30 mm |
| Smallest bending radius, movable installation | 16 mm |
| Tensile strength short-term/long-term | 70 N |
| Lateral pressure, long-term | 100.00 N/cm |
| Halogen-free | complying with IEC 60754-1/2 |
| Resistance to oil | Not resistant to oil, gasoline, acids, and lyes |
| Concentration of fumes | in accordance with IEC 61034 |
| Flame resistance | yes |
| Behavior in fire | No corrosive or toxic fumes |

FO cable

| | |
|---------------------|----------------------------------|
| Number of fibers | 2 |
| Fiber | Fiberglass |
| Fiber type | Single mode fiberglass, 9/125 µm |
| Attenuation | ≤ 0.5 dB/km () |
| Return Loss | ≥ 50 dB |
| Transmission medium | Single-mode fiberglass |

Environmental and real-life conditions

Ambient conditions

| | |
|---|---|
| Degree of protection | IP20 |
| Ambient temperature (operation) | -20 °C ... 60 °C |
| Ambient temperature (storage/transport) | -20 °C ... 60 °C |
| Ambient temperature (assembly) | -20 °C ... 60 °C |
| Ambient temperature (installation) | -20 °C ... 60 °C |
| Resistance to oil | Not resistant to oil, gasoline, acids, and lyes |

Standards and regulations

| | |
|--------------------------|---|
| Behavior in fire | No corrosive or toxic fumes |
| Flame resistance | yes |
| Resistance to oil | Not resistant to oil, gasoline, acids, and lyes |
| Concentration of fumes | in accordance with IEC 61034 |
| Standards/specifications | IEC 61300-3-4 |
| | RL: IEC 61300-3-6 |

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Approvals

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EAC

Approval ID: B.01687

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-11.0 | 27061003 |
| ECLASS-12.0 | 27061003 |
| ECLASS-13.0 | 27061003 |

ETIM

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| ETIM 8.0 | EC002607 |
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UNSPSC

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| UNSPSC 21.0 | 26121600 |
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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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