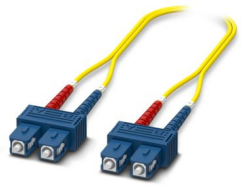
# FOC-SC:PA-SC:PA-OS2:D01/3 - FO patch cable

1115547

https://www.phoenixcontact.com/us/products/1115547

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Single-mode OS2 duplex jumper, SC-SC, UPC polishing, length 3 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
- Indoor use, suitable for FO distribution and termination devices
- Singlemode patch cable for indoor installation
- All components satisfy UL 94, V0
- Satisfies industry standards for optical and mechanical properties
- Connector with UPC polishing for optimum attenuation values
- Insertion loss ≤0.5 dB (varies depending on the condition)

## Commercial data

| | |
|---|---|
| Item number | 1115547 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | AB16 |
| Product key | ABNIBC |
| GTIN | 4063151038953 |
| Weight per piece (including packing) | 45 g |
| Weight per piece (excluding packing) | 27 g |
| Customs tariff number | 85447000 |
| Country of origin | CN |

# Technical data

## Product properties

| | |
|---|---|
| Product type | Data cable preassembled |
| Number of positions | 2 |

## Electrical properties

| | |
|---|---|
| Transmission medium | FO |
| Transmission speed | 100 Gbps |

## 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. | 2.00 mm |
| External diameter max. | 4.00 mm |

## Connector

### Connection 1

| | |
|---|---|
| Type | Plug straight SC / IP20 |
| Degree of protection | IP20 |

### Connection 2

| | |
|---|---|
| Type | Plug straight SC / IP20 |
| Degree of protection | IP20 |

## Cable/line

| | |
|---|---|
| Cable length | 3 m |
| Cable weight | 5.3 kg/km |
| Cable type | FO duplex cable |
| Cable type | Zip cord |
| Cable abbreviation | I-V(ZN)H |
| Outer sheath, material | LSZH |
| External sheath, color | yellow |
| Wire diameter incl. insulation | 2x 2 mm |
| Individual wire diameter | 900 µm |

| | |
|---|---|
| Bending radius, long-term | 50.00 mm |
| Bending radius short term/long term | 30.00 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

| | |
|---|---|
| Fiber | Fiberglass |
| Fiber type | Single mode fiberglass, 9/125 µm |
| Attenuation | ≤ 0.5 dB/km (1310 nm) |
| Return Loss | ≥ 50 dB |
| Transmission medium | Single-mode fiberglass |

## Environmental and real-life conditions

Ambient conditions

| | |
|---|---|
| Ambient temperature (operation) | -20 °C ... 60 °C |
| Ambient temperature (storage/transport) | -20 °C ... 60 °C |
| Ambient temperature (assembly) | -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 |

## Classifications

### ECLASS

| | |
|---|---|
| ECLASS-13.0 | 27061003 |
| ECLASS-15.0 | 27061003 |

### ETIM

| | |
|---|---|
| ETIM 10.0 | EC002700 |

### UNSPSC

| | |
|---|---|
| UNSPSC 21.0 | 26121600 |

## 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% |

EF3.1 Climate Change

| | |
|---|---|
| CO2e kg | 6.04 kg CO2e |


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