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

1146509

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

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



## Your advantages

- Comprehensively tested according to IEC 61753-122-2 and IEC 61753-1 Cat. C
- Temperature change test in accordance with IEC 61300-2-1
- Vibration test according to IEC 61300-2-1
- Tensile strength of the cable connection according to IEC 61300-2-5
- Multimode patch cable with outstanding optical and mechanical properties for indoor installation
- Ideal for use in distributor systems and for connecting termination devices
- Fire protection with LSZH sheath and UL 94 V0 components
- Interferometer tests at every stage of the certification process
- Satisfies optical and mechanical industry standards
- Connector with UPC polishing for optimum attenuation values

## Commercial data

| | |
|---|---|
| Item number | 1146509 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | AB16 |
| Product key | ABNIBC |
| GTIN | 4063151137250 |
| Weight per piece (including packing) | 37.7 g |
| Weight per piece (excluding packing) | 21 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 | 1 Gbps |

## Mechanical properties

### Mechanical data

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

## Material specifications

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

## Connector

### Connection 1

| | |
|---|---|
| Type | Plug straight B-FOC (ST) / IP20 |
| Degree of protection | IP20 |

### Connection 2

| | |
|---|---|
| Type | Plug straight B-FOC (ST) / IP20 |
| Degree of protection | IP20 |

## Cable/line

| | |
|---|---|
| Cable length | 2 m |
| Cable weight | 5.3 kg/km |
| Cable type | FO duplex cable |
| Cable type | Zip cord |
| Cable abbreviation | I-V(ZN)H |
| External cable diameter | 2x 2.00 mm |
| Outer sheath, material | LSZH |
| External sheath, color | orange |
| Smallest bending radius, fixed installation | 30 mm |
| Smallest bending radius, movable installation | 30 mm |
| 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 |

### FO cable

| | |
|---|---|
| Fiber | Fiberglass |
| Fiber type | Multimode fiberglass, 62.5/125 µm |
| Attenuation | ≤ 3.5 dB/km (with 850 nm) |
| Transmission medium | Multi-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 |
| Resistance to oil | Not resistant to oil, gasoline, acids, and lyes |

## Standards and regulations

| | |
|---|---|
| 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 | 5.972 kg CO2e |

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