

FOC-SC:PA-SC:PA-OM1:D01/0.5 - FO patch cable



1144191

<https://www.phoenixcontact.com/us/products/1144191>

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Multi-mode OM1 duplex jumper, SC-SC, UPC polishing, length 0.5 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 | 1144191 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | AB16 |
| Product key | ABNIBC |
| GTIN | 4063151132026 |
| Weight per piece (including packing) | 9 g |
| Weight per piece (excluding packing) | 9 g |
| Customs tariff number | 85447000 |
| Country of origin | CN |

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Technical data

Product properties

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

Electrical properties

| | |
|--------------------|--------|
| Transmission speed | 1 Gbps |
| Transmission speed | 1 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 mm |
| External diameter max. | 4 mm |

Connector

Connection 2

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

Cable/line

| | |
|-----------------------------------|----------------------|
| Cable length | 0.50 m |
| Cable weight | 5.30 kg/km |
| Cable type | Multimode 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 | orange |
| 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 | 30 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 | Multimode fiberglass, 62.5/125 µm |
| Cable, attenuation | 3.5 dB/km (850 nm) , 1.5 dB/km (1300 nm) |
| 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 |
| 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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Classifications

ECLASS

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

ETIM

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

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

EF3.1 Climate Change

| | |
|---------|---------------|
| CO2e kg | 4.703 kg CO2e |
|---------|---------------|

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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com