

FOC-SC:AA-SC:AA-OS2:D01/10 - FO patch cable



1146554

<https://www.phoenixcontact.com/us/products/1146554>

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Single-mode OS2 duplex jumper, SC-SC, APC polishing, length 10 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
- All components satisfy UL 94, V0
- Satisfies industry standards for optical and mechanical properties
- Insertion loss ≤ 0.5 dB (varies depending on the condition)

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1146554 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | AB16 |
| Product key | ABNIBC |
| GTIN | 4063151137694 |
| Weight per piece (including packing) | 81 g |
| Weight per piece (excluding packing) | 81 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/APC-SC/APC connector |

Electrical properties

| | |
|---------------------|------------------------|
| Transmission medium | Single-mode fiberglass |
| Transmission speed | 100 Gbps |
| 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 | 10.00 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 |

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| | |
|---|---|
| Bending radius, long-term | 50 mm |
| 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 |
| Cable, attenuation | 0.5 dB/km (1310 nm), 0.4 dB/km (1550 nm) |
| Attenuation | ≤ 0.5 dB/km (1310 nm) |
| Return Loss | ≥ 50 dB |
| Transmission medium | Single-mode fiberglass |

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

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|--|--|
| 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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