

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



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
- 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  $\leq 0.5$  dB (varies depending on the condition)

## 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            |

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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 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                      | 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                 |

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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                   |

## 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<br>RL: IEC 61300-3-6              |

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## Classifications

### ECLASS

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

### ETIM

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

### 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 | 5.199 kg CO2e |
|---------|---------------|

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