

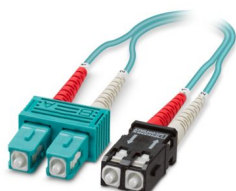
# FOC-SC:A-SJ:A-GZ02/... - FO patch cable



1405701

<https://www.phoenixcontact.com/us/products/1405701>

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Assembled FO cable, zip cord cable, multi-mode fiberglass 50/125  $\mu\text{m}$ , OM3, plug: SC/SC-RJ, degree of protection: IP20, for installation in cable ducts or control cabinets

## Your advantages

- 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            | 1405701                        |
| Packing unit           | 1 pc                           |
| Minimum order quantity | 1 pc                           |
| Note                   | Made to order (non-returnable) |
| Sales key              | AB50                           |
| Product key            | ABNIBC                         |
| Customs tariff number  | 85447000                       |
| Country of origin      | DE                             |

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## Technical data

### Product properties

|                     |                         |
|---------------------|-------------------------|
| Product type        | Data cable preassembled |
| Number of positions | 2                       |
| No. of conductors   | 2                       |
| Number of slots     | 2                       |

### Electrical properties

|                     |                       |
|---------------------|-----------------------|
| Transmission medium | Multi-mode fiberglass |
| Transmission speed  | 10 Gbps               |
| Transmission speed  | 10 Gbps               |

### Mechanical properties

|                                       |      |
|---------------------------------------|------|
| Tensile strength short-term/long-term | 50 N |
|---------------------------------------|------|

### Material specifications

|                                        |                   |
|----------------------------------------|-------------------|
| Color                                  | turquoise         |
| Flammability rating according to UL 94 | V0                |
| Ferrule material                       | Zirconia ceramics |
| Housing material                       | Plastic           |
| Outer sheath, material                 | FRNC              |

### Dimensions

#### External dimensions

|                        |        |
|------------------------|--------|
| External diameter min. | 2 mm   |
| External diameter max. | 4.2 mm |

#### Mechanical characteristics

|                  |         |
|------------------|---------|
| Ferrule diameter | 2.50 mm |
|------------------|---------|

### Connector

#### Connection 1

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

#### Connection 2

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

### Cable/line

|              |            |
|--------------|------------|
| Cable weight | 8.30 kg/km |
| Cable type   | Fiberglass |
| Cable type   | Zip cord   |

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|                                               |                                               |
|-----------------------------------------------|-----------------------------------------------|
| External cable diameter                       | 2.00 mm (Zip cord)                            |
| Outer sheath, material                        | LSZH                                          |
| External sheath, color                        | aqua                                          |
| Wire diameter incl. insulation                | 900 µm                                        |
| Individual wire diameter                      | 900 µm (low-bend)                             |
| Single wire, color                            | -                                             |
| Tensile strength short-term/long-term         | 600 N                                         |
| Smallest bending radius, fixed installation   | 15 mm                                         |
| Smallest bending radius, movable installation | 30 mm                                         |
| Cable, attenuation                            | 2.5 dB/km (at 850 nm), 0.7 dB/km (at 1300 nm) |
| Halogen-free                                  | complying with IEC 60754-1/2                  |
| Flame resistance                              | yes                                           |

## FO cable

|                  |           |
|------------------|-----------|
| Number of fibers | 2         |
| Fiber type       | Multimode |

## Environmental and real-life conditions

### Ambient conditions

|                                         |                  |
|-----------------------------------------|------------------|
| Degree of protection                    | IP20             |
| Ambient temperature (operation)         | -25 °C ... 70 °C |
| Ambient temperature (storage/transport) | -25 °C ... 70 °C |
| Ambient temperature (assembly)          | -5 °C ... 55 °C  |
| Resistance to oil                       | no               |

## Standards and regulations

|                   |     |
|-------------------|-----|
| Flame resistance  | yes |
| Resistance to oil | no  |

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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% |
|-------------------------------------|----------------------------|

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