

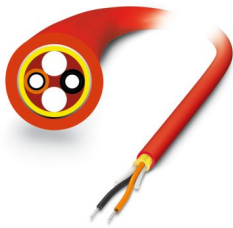
# FOC-RUGGED-1012/IP20/... - FO patch cable



2901548

<https://www.phoenixcontact.com/us/products/2901548>

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Robust POF installation cable for assembly (IP20 heads only) for installation in stationary systems and machines with individual elements made of polyamide (PA), halogen-free, ozone and UV resistant, with reinforced polyurethane (PUR) outer sheath

## Your advantages

- Robust installation cable for installation in stationary systems and machines
- For indoors
- Designed to meet increased requirements in terms of tensile and lateral loads
- Reinforced polyurethane (PUR) outer sheath
- 2.2 mm individual wires made from extremely hard-wearing polyamide (PA)
- Halogen-free, ozone, and UV resistant

## Commercial data

|                       |                                |
|-----------------------|--------------------------------|
| Item number           | 2901548                        |
| Packing unit          | 1 pc                           |
| Note                  | Made to order (non-returnable) |
| Sales key             | DN35                           |
| Product key           | DNC241                         |
| Customs tariff number | 85447000                       |
| Country of origin     | CZ                             |

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## Technical data

### Product properties

|                     |                         |
|---------------------|-------------------------|
| Product type        | Data cable preassembled |
| Application         | Standard                |
| Number of positions | 2                       |

### Interfaces

|        |          |
|--------|----------|
| Signal | Modbus   |
|        | PROFIBUS |

### Electrical properties

|                    |          |
|--------------------|----------|
| Transmission speed | 100 Mbps |
|--------------------|----------|

### Material specifications

|                          |          |
|--------------------------|----------|
| Material Separating film | Aluminum |
|--------------------------|----------|

### Cable/line

|   |                             |
|---|-----------------------------|
| Cable length                            | Free input (0.4 ... 100 m)  |
| Cable weight                            | 54 kg/km                    |
| External cable diameter                 | 8 mm                        |
| Outer sheath, material                  | PUR                         |
| External sheath, strain relief elements | Non-metallic, aramide fiber |
| Single wire, material                   | PA                          |
| Individual wire diameter                | 2.2 mm ±0.07 mm             |
| Tensile strength short-term/long-term   | 1000 N / 100 N              |
| Lateral pressure short term             | 300 N/cm                    |
| Lateral pressure, long-term             | 20 N/cm                     |
| Impact strength                         | 2 Nm / 10 x                 |
| Bending radius, single element          | 30 mm (Short-term)          |
|   | 30 mm (Short-term)          |
| Bending radius, entire cable            | 65 mm (Short-term)          |
|   | 65 mm (Short-term)          |
| 660 nm                                  | 230 dB/km                   |
| Halogen-free                            | According to IEC 60754-2    |

### Environmental and real-life conditions

#### Ambient conditions

|          |        |
|----------|--------|
| Altitude | 5000 m |
|----------|--------|

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27061803 |
|-------------|----------|

### 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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