

# FOC-17P12-17P12-GL02/120 - Connecting cable



1127010

<https://www.phoenixcontact.com/us/products/1127010>

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M17 MPO series with preassembled FO plug assembly: 12-pos. plug-plug, multimode fiberglass G62.5/125  $\mu\text{m}$  OM1, with screw connection, length of FO cable: 120 m, IP67 degree of protection after being inserted, fixed installation in cable ducts, underground cable ducts, and cable protection pipes for indoor/outdoor use

## Your advantages

- The connector is small and compact, and it has a maximum outer diameter of 21 mm, which enables high-density installation
- Prefabricated FO connection assembly, no fusion splicing required on site, plug and play
- IP67 degree of protection, stainless steel housing, ambient temperature  $-40\text{ }^{\circ}\text{C}$  ...  $+85\text{ }^{\circ}\text{C}$ , suitable for industrial applications and harsh environments
- Armored fiber FO cable for indoor and outdoor applications, low smoke and free of halogen, standard length can be ordered from 10 m ... 200 m, customized length on request
- The connector has integrated protective cover, so that it can be used on site conveniently

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1127010       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | AB15          |
| Product key                          | ABNHBA        |
| GTIN                                 | 4063151054489 |
| Weight per piece (including packing) | 6,684 g       |
| Weight per piece (excluding packing) | 6,684 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 | 12                      |

### Electrical properties

|                     |                       |
|---------------------|-----------------------|
| Transmission medium | Multi-mode fiberglass |
|---------------------|-----------------------|

### Mechanical properties

|                                       |               |
|---------------------------------------|---------------|
| Tensile strength short-term/long-term | 1500 N / 800N |
|---------------------------------------|---------------|

### Material specifications

|  |      |
|--|------|
| Flammability rating according to UL 94 | V0   |
| Ferrule material                       | PPS  |
| Outer sheath, material                 | LSZH |

### Connector

#### Connection 1

|              |                 |
|--------------|-----------------|
| Locking type | 17# thread type |
|--------------|-----------------|

### Cable/line

|   |   |
|---|---|
| Cable length                                | 120 m   |
| Cable weight                                | 40.00 kg/km   |
| Cable type                                  | Multimode fiberglass  |
| Cable type                                  | Non-metal armored fiber optic cable for indoor/outdoor applications |
| External cable diameter                     | 7.5 mm  |
| Outer sheath, material                      | LSZH  |
| External sheath, color                      | black   |
| Smallest bending radius, fixed installation | 80 mm   |
| Tensile strength short-term/long-term       | 1500 N / 800N   |
| Lateral pressure, long-term                 | 300.00 N/cm   |
| Halogen-free                                | according to IEC 60754-1  |

#### FO cable

|                     |                                  |
|---------------------|----------------------------------|
| Number of fibers    | 12                               |
| Fiber               | 62.5/125 µm OM1                  |
| Fiber type          | Multimode fiberglass 62.5/125 µm |
| Attenuation         | ≤ 1.2 dB (1300 nm)               |
| Transmission medium | Multi-mode fiberglass            |

### Environmental and real-life conditions

#### Ambient conditions

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|                                 |                                       |
|---------------------------------|---------------------------------------|
| Degree of protection            | IP65/IP67                             |
| Ambient temperature (operation) | -40 °C ... 85 °C                      |
| Shock                           | 50g, in accordance with IEC 61300-2-9 |

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1127010>



**EAC**

Approval ID: 19060508

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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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