# FOC-OP12-OP12-GL02/60 - Connecting cable

1415230

https://www.phoenixcontact.com/us/products/1415230

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Double-end preassembled cable, type: circular connector, degree of protection: IP68, number of positions: 12

## Product description

Robust connecting cable Q-ODC-12 to Q-ODC-12, push-pull interlocking, degree of protection: IP68

## Your advantages

- Compact design with MT ferrule
- Push-pull interlocking
- For extreme ambient conditions
- Robust connector for 12 fibers, degree of protection: IP68 (when connected)

## Commercial data

| | |
|---|---|
| Item number | 1415230 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | AB15 |
| Product key | ABNHAA |
| GTIN | 4055626045740 |
| Weight per piece (including packing) | 3,315 g |
| Weight per piece (excluding packing) | 3,245 g |
| Customs tariff number | 85447000 |
| Country of origin | PL |

# Technical data

## Product properties

| | |
|---|---|
| Product type | Data cable preassembled |
| Number of positions | 12 |

## Electrical properties

| | |
|---|---|
| Attenuation | typ. 0.2 dB |
| | max. 0.6 dB |
| Transmission medium | Multi-mode fiberglass |

## Mechanical properties

| | |
|---|---|
| Tensile strength short-term/long-term | 500 N |

## Material specifications

| | |
|---|---|
| Flammability rating according to UL 94 | V0 |
| Outer sheath, material | LSFH |

## Connector

### Connection 1

| | |
|---|---|
| Locking type | Push Pull |
| Handle color | black |
| Insertion/withdrawal cycles | 500 (In the event of repeated cleaning) |
| Degree of protection | IP68 (IEC 60529) |
| | IP68 |
| Ambient temperature (operation) | -40 °C ... 85 °C (IEC 61300-2-22) |

### Connection 2

| | |
|---|---|
| Locking type | Push Pull |
| Handle color | black |
| Insertion/withdrawal cycles | 500 (In the event of repeated cleaning) |
| Degree of protection | IP68 (IEC 60529) |
| Ambient temperature (operation) | -40 °C ... 85 °C (IEC 61300-2-22) |

## Cable/line

| | |
|---|---|
| Cable length | 60 m |
| Cable weight | 55.00 kg/km |
| Cable type | Multimode fiberglass |
| Cable type | Zip cord, fiberglass |
| Cable abbreviation | 12-.../H(ZNG)H-...70 |
| External cable diameter | 7 mm |
| Outer sheath, material | LSFH |
| External sheath, color | black |
| Wire diameter incl. insulation | 250 µm |

| | |
|---|---|
| Individual wire diameter | 250 µm |
| Smallest bending radius, fixed installation | ≥ 70 mm |
| Tensile strength short-term/long-term | 500 N |
| Lateral pressure short term | 500.00 N/cm |
| Lateral pressure, long-term | 200.00 N/cm |
| Halogen-free | complying with IEC 60754-1/2 |

FO cable

| | |
|---|---|
| Number of fibers | 12 |
| Fiber | 62.5/125 µm OM1 |
| Fiber type | Multimode fiberglass 62.5/125 µm |
| Attenuation | typ. 0.15 dB |
| Transmission medium | Multi-mode fiberglass |

## Environmental and real-life conditions

Ambient conditions

| | |
|---|---|
| Degree of protection | IP68 |
| Ambient temperature (operation) | -40 °C ... 85 °C (IEC 61300-2-22) |
| Shock | 50g, in accordance with IEC 61300-2-9 |

## Classifications

### ECLASS

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

### UNSPSC

| | |
|---|---|
| UNSPSC 21.0 | 39121400 |

## 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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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com