

1408874

<https://www.phoenixcontact.com/pc/products/1408874>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.

Assembled FO cable, round cable, 50/125 µm GOF-MM fiber, M12 to M12, for installation inside buildings



Product description

Assembled FO cable, round cable, 50/125 µm GOF-MM fiber, M12 to M12, for installation inside buildings, length: 2 m

Commercial data

|                                      |                     |
|--------------------------------------|---------------------|
| Item number                          | 1408874             |
| Packing unit                         | 1 pc                |
| Minimum order quantity               | 1 pc                |
| Product key                          | ABNMAY              |
| Catalog page                         | Page 349 (C-2-2017) |
| GTIN                                 | 4055626082127       |
| Weight per piece (including packing) | 216.9 g             |
| Weight per piece (excluding packing) | 2.22 g              |
| Customs tariff number                | 85447000            |
| Country of origin                    | DE                  |

# FOC-M12-M12-GB02/2 - FO connecting cable



1408874

<https://www.phoenixcontact.com/pc/products/1408874>

## Technical data

### Product properties

|      |                    |
|------|--------------------|
| Type | Circular connector |
|------|--------------------|

### Connection data

|                   |                        |
|-------------------|------------------------|
| Connection method | M12 circular connector |
|-------------------|------------------------|

### Dimensions

#### External dimensions

|                        |        |
|------------------------|--------|
| External diameter min. | 7.5 mm |
| External diameter max. | 8 mm   |

#### Mechanical characteristics

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

### Material specifications

|                                        |                   |
|----------------------------------------|-------------------|
| Flammability rating according to UL 94 | V0                |
| Ferrule material                       | Zirconia ceramics |
| Outer sheath, material                 | PUR               |

### Cable/line

|                                               |                                               |
|-----------------------------------------------|-----------------------------------------------|
| Cable weight                                  | 46.00 kg/km                                   |
| Cable type                                    | Outdoor cable                                 |
| Short symbol                                  | 02-G50/FJ(ZN)Z-...22                          |
| Cable type                                    | Break-out cable                               |
| External cable diameter                       | 7.50 mm                                       |
| Outer sheath, material                        | PUR                                           |
| External sheath, color                        | black                                         |
| External sheath, strain relief elements       | Non-metallic, aramide fiber                   |
| Wire diameter incl. insulation                | 900 µm                                        |
| Individual wire diameter                      | 2.2 mm ±0.1 mm                                |
| Single wire, color                            | black/orange                                  |
| Tensile strength short-term/long-term         | 2000 N / 1000 N                               |
| Lateral pressure short term                   | 600.00 N/cm                                   |
| Lateral pressure, long-term                   | 200.00 N/cm                                   |
| Impact strength                               | 2,2 J                                         |
| Smallest bending radius, fixed installation   | 25 mm                                         |
| Smallest bending radius, movable installation | 40 mm                                         |
| Number of bending cycles                      | 100000                                        |
| Bending radius                                | 70 mm                                         |
| Traversing rate                               | 0.4 m/s                                       |
| Cable, attenuation                            | 2.7 dB/km (at 850 nm), 1.0 dB/km (at 1300 nm) |
| Halogen-free                                  | complying with IEC 60754-1/2                  |

# FOC-M12-M12-GB02/2 - FO connecting cable



1408874

<https://www.phoenixcontact.com/pc/products/1408874>

|                   |                                       |
|-------------------|---------------------------------------|
| Resistance to oil | very good oil and chemical resistance |
| Flame resistance  | yes                                   |

## FO cable

|                  |                                 |
|------------------|---------------------------------|
| Number of fibers | 2                               |
| Fiber type       | Multi-mode 50/125 µm fiberglass |

## Mechanical properties

|                                       |                         |
|---------------------------------------|-------------------------|
| Duty cycle testing                    | suitable for drag chain |
| Tensile strength short-term/long-term | 1000 N / 200 N          |

## Environmental and real-life conditions

### Ambient conditions

|                                         |                  |
|-----------------------------------------|------------------|
| Degree of protection                    | IP65             |
|                                         | IP67             |
|                                         | IP65/IP67        |
| Impact strength                         | 2 Nm / 10 x      |
| Ambient temperature (operation)         | -40 °C ... 80 °C |
|                                         | -40 °C ... 80 °C |
| Ambient temperature (storage/transport) | -45 °C ... 85 °C |
| Resistance to UV radiation              | yes              |

## Standards and regulations

|                            |     |
|----------------------------|-----|
| Resistance to UV radiation | yes |
|----------------------------|-----|

### Testing

|                    |                         |
|--------------------|-------------------------|
| Duty cycle testing | suitable for drag chain |
|--------------------|-------------------------|

## Mounting

|                  |         |
|------------------|---------|
| cable layer type | Indoors |
|------------------|---------|

# FOC-M12-M12-GB02/2 - FO connecting cable

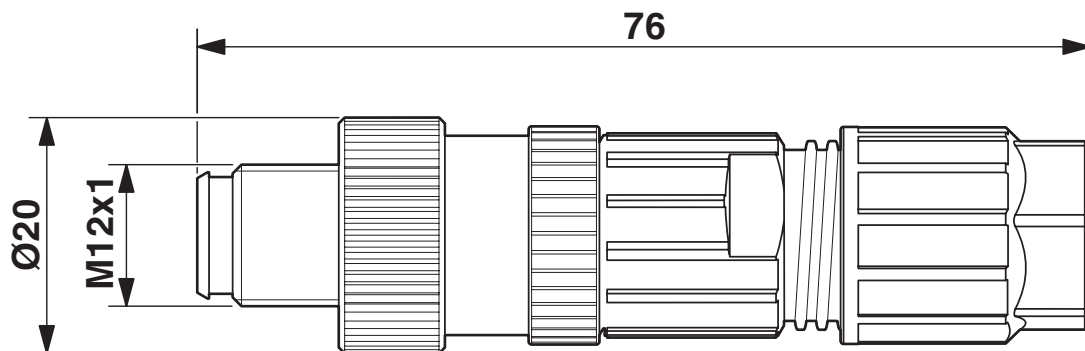


1408874

<https://www.phoenixcontact.com/pc/products/1408874>

## Drawings

Dimensional drawing



# FOC-M12-M12-GB02/2 - FO connecting cable



1408874

<https://www.phoenixcontact.com/pc/products/1408874>

## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-11.0 | 27061003 |
|-------------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 26121607 |
|-------------|----------|

# FOC-M12-M12-GB02/2 - FO connecting cable



1408874

<https://www.phoenixcontact.com/pc/products/1408874>

## 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%               |

Phoenix Contact 2024 © - all rights reserved  
<https://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG  
Flachmarktstraße 8  
D-32825 Blomberg  
+49 (0) 5235-3 00  
[info@phoenixcontact.com](mailto:info@phoenixcontact.com)