

FOC-M12-LC:A-GB02/2 - FO connecting cable



1408868

<https://www.phoenixcontact.com/us/products/1408868>

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



GOF MM cable, assembled with M12 OPTIC to LC duplex

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 1408868 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | AB17 |
| Product key | ABNMAY |
| GTIN | 4055626081199 |
| Weight per piece (including packing) | 169.8 g |
| Weight per piece (excluding packing) | 2.22 g |
| Customs tariff number | 85447000 |
| Country of origin | DE |

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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 |

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

FO cable

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

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

Testing

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

Mounting

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

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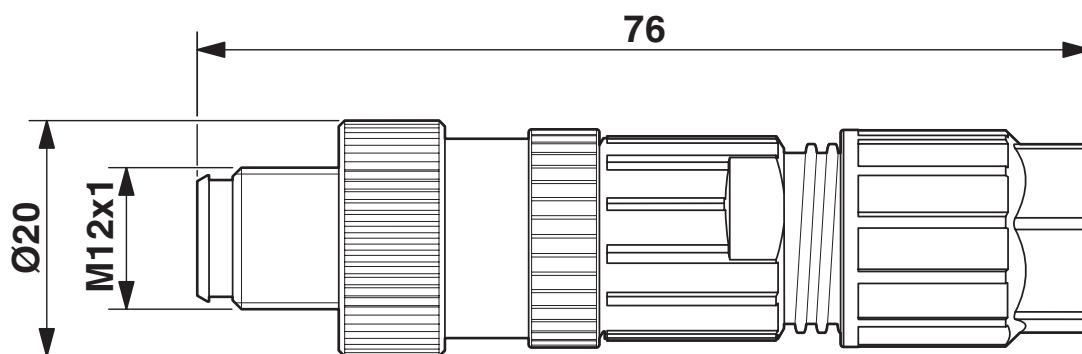


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Drawings

Dimensional drawing



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Classifications

UNSPSC

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

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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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