

# 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
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### Connection data

Connection method	M12 circular connector
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### 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
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## Mounting

cable layer type	Indoors
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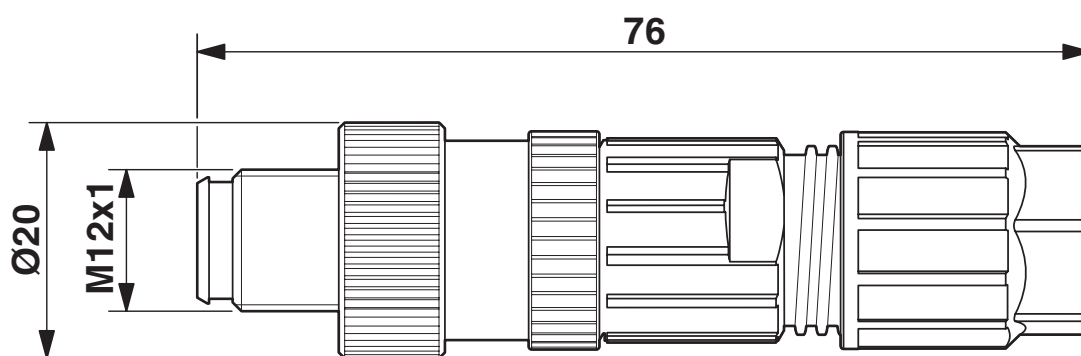


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## Drawings

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
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### 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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