

1408875

<https://www.phoenixcontact.com/us/products/1408875>

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: 1 m

Commercial data

Item number	1408875
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	AB17
Product key	ABNMAY
GTIN	4055626082134
Weight per piece (including packing)	162.8 g
Weight per piece (excluding packing)	2.22 g
Customs tariff number	85447000
Country of origin	DE

FOC-M12-M12-GB02/1 - FO connecting cable



1408875

<https://www.phoenixcontact.com/us/products/1408875>

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
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

FOC-M12-M12-GB02/1 - FO connecting cable



1408875

<https://www.phoenixcontact.com/us/products/1408875>

Flame resistance	yes
------------------	-----

FO cable

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
------------------	---------

FOC-M12-M12-GB02/1 - FO connecting cable

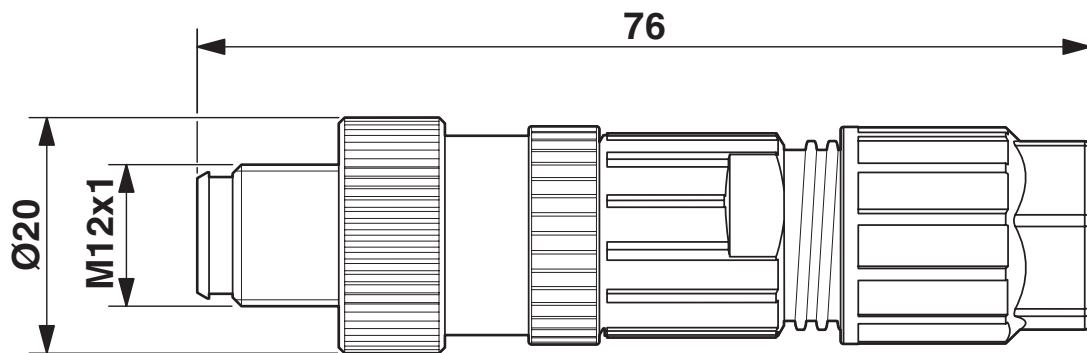
1408875

<https://www.phoenixcontact.com/us/products/1408875>



Drawings

Dimensional drawing



FOC-M12-M12-GB02/1 - FO connecting cable



1408875

<https://www.phoenixcontact.com/us/products/1408875>

Classifications

UNSPSC

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

FOC-M12-M12-GB02/1 - FO connecting cable



1408875

<https://www.phoenixcontact.com/us/products/1408875>

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 2025 © - all rights reserved
<https://www.phoenixcontact.com>

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