

Female cordset

V1-G-BK3M-PUR-U-Y260703

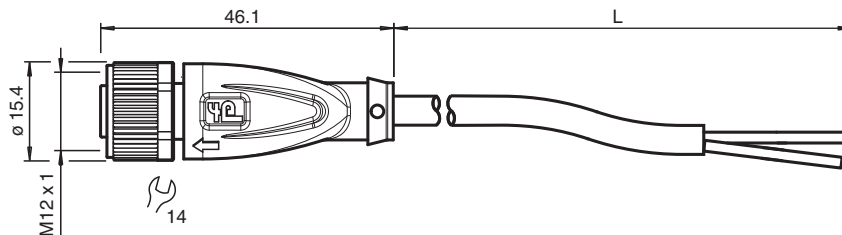


- Suitable for drag chains and abrasion resistant
- Suitable for robotic applications / torsion resistant
- Degree of protection IP68 / IP69
- Free of paint wetting interfering substances
- Resistant to microbes and hydrolysis
- UV resistant
- UL listed for USA and Canada
- Halogen-free
- Specific design protects against loosening and inaccurate installation
- Customer-specific configuration

Female cordset single-ended M12 straight A-coded, 2-pin, PUR cable black, UL approved, drag chain suitable, torsion resistant



Dimensions



Technical Data

General specifications		
Customization		Stripped length 500 mm , with connector sleeves
Connector 1		
Connection		socket
Construction type		M12
Style		straight
Locking		screw connection
Number of pins		2
Coding		A-coded
Connector 2		
Connection		cable end
Electrical specifications		
Operating voltage	U _B	max. 250 V AC/DC
Operating current	I _B	max. 4 A
Conformity		
Degree of protection		EN 60529
Plug connection		connector M12 x 1 : IEC 61076-2-101
Flammability		UL 1581; DIN EN 60332-2-2
Halogen-free		IEC 60754-1
Approvals and certificates		
UL approval		AWM STYLE 20549 AWM I/II A/B 80°C 300V FT2 (cable)
UL File Number		E231213

Release date: 2024-02-21 Date of issue: 2024-02-21 Filename: 260703_eng.pdf

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

Pepperl+Fuchs Group
www.pepperl-fuchs.com

USA: +1 330 486 0001
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 1111
fa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091
fa-info@sg.pepperl-fuchs.com

PEPPERL+FUCHS

Technical Data

Ambient conditions

Ambient temperature

Plug connector	-40 ... 90 °C (-40 ... 194 °F)
Cable, fixed	-40 ... 80 °C (-40 ... 176 °F)
Cable, flexing	-20 ... 80 °C (-4 ... 176 °F)

Pollution degree	3
------------------	---

Mechanical specifications

Plug connector

Tightening torque	0.6 Nm
Loosening protection	available
Tool installation	straight knurling and hexagon nut SW = 14 mm

Mating cycles	min. 100
---------------	----------

Degree of protection	IP68 / IP69
----------------------	-------------

Cable	according to IEC/EN 60228 (DIN VDE 0295) class 6
-------	--

Sheath diameter	4.3 mm
-----------------	--------

Bending radius	> 10 x cable diameter, moving > 5 x cable diameter, fixed
----------------	--

Sheath stripping force	max. 80 N / 300 mm
------------------------	--------------------

Sheath color	black (similar to RAL 9005)
--------------	-----------------------------

Number of cores	3
-----------------	---

Core cross section	0.34 mm ²
--------------------	----------------------

Cores color	Core 1: brown Core 3: not used Core 4: black
-------------	--

Core construction	42 x 0.1 mm Ø
-------------------	---------------

Length	L	3 m
--------	---	-----

Cable code	Li F 9Y 11Y 3 x 0,34
------------	----------------------

Drag chain suitability

Drag chain cycles	min. 5000000
-------------------	--------------

Motion velocity	max. 3.3 m/s
-----------------	--------------

Traverse distance	max. 5 m
-------------------	----------

Acceleration	max. 5 m/s ²
--------------	-------------------------

Torsion cycles	min. 1000000
----------------	--------------

Torsional stress	± 180 °/m
------------------	-----------

Material

PWIS free	yes
-----------	-----

Halogen-free	yes
--------------	-----

Plug connector

Screw connection	Zinc diecast, nickel-plated
------------------	-----------------------------

Body	TPU, black
------	------------

Seal	FKM
------	-----

Contact surface	gold plated (Au)
-----------------	------------------

Flammability	V-2
--------------	-----

Cable

Sheathing	PUR based on polyether
-----------	------------------------

Core insulation	PP
-----------------	----

UV resistance	yes
---------------	-----

Chemical resistance	good
---------------------	------

Oil resistance	yes
----------------	-----

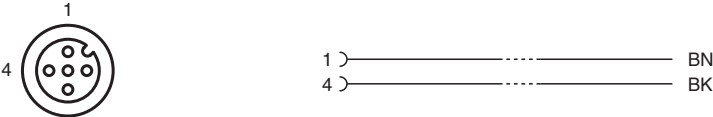
Cooling lubricant resistance	yes
------------------------------	-----

Microbial resistance	yes
----------------------	-----

Hydrolysis resistance	yes
-----------------------	-----

Flammability	FT2
--------------	-----

Connection



Release date: 2024-02-21 Date of issue: 2024-02-21 Filename: 260703_eng.pdf