



## Bulk Raw Cable

### CBL-PUR-A1-OR-04x034-100M

- Improved resistance to weld slag
- Suitable for drag chains and abrasion resistant
- Suitable for robotic applications / torsion resistant
- Free of paint wetting interfering substances
- Resistant to microbes and hydrolysis
- cURus approval
- Halogen-free
- Meets the VASS6 standard

Cable, PUR/PP, 4-core welding-bead resistant orange, UL approved, drag chain suitable, torsion resistant



## Dimensions



## Technical Data

Electrical specifications		
Operating voltage	$U_B$	max. 300 V AC/DC
Conformity		
Flammability		UL 1581; DIN EN 60332-2-2
Halogen-free		DIN VDE 0472-815
Oil resistance		DIN EN 60811-2-1
Approvals and certificates		
UL approval		AWM STYLE 20549 AWM I/II A/B 80°C 300V FT2
Ambient conditions		
Ambient temperature		
Cable, fixed		-40 ... 80 °C (-40 ... 176 °F)
Cable, flexing		-25 ... 80 °C (-13 ... 176 °F)
Pollution degree		3
Mechanical specifications		
Cable		according to IEC/EN 60228 (DIN VDE 0295) class 6
Sheath diameter		4.9 mm ± 0.2 mm

Release date: 2023-02-20 Date of issue: 2023-02-20 Filename: 70141161\_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

Bending radius		> 10 x cable diameter, moving > 5 x cable diameter, fixed
Sheath stripping force		max. 80 N / 300 mm
Sheath color		orange (similar to RAL 2003)
Number of cores		4
Core cross section		0.34 mm <sup>2</sup>
Cores color		Core 1: brown Core 2: white Core 3: blue Core 4: black
Core construction		42 x 0.1 mm Ø
Length	L	100 m
Cable code		Li F 9Y 11Y 4 x 0,34
Drag chain suitability		
Drag chain cycles		min. 5000000
Motion velocity		max. 3 m/s
Traverse distance		max. 5 m
Acceleration		max. 5 m/s <sup>2</sup>
Torsion cycles		min. 1000000
Torsional stress		± 180 °/m



### Material

PWIS free		yes
Halogen-free		yes
Cable		
Sheathing		PUR based on polyether
Core insulation		PP
Welding-bead resistance		yes
Weld spatter resistance		yes
Chemical resistance		good
Oil resistance		yes
Cooling lubricant resistance		yes
Microbial resistance		yes
Hydrolysis resistance		yes
Flammability		FT2

## Connection Assignment

_____	BN
_____	WH
_____	BU
_____	BK

## Accessories

	<b>V1-WV2A</b>	Female connector, field-attachable
	<b>V1-G-Q3</b>	Field-attachable female QUICKON-ONE connector

Release date: 2023-02-20 Date of issue: 2023-02-20 Filename: 70141161\_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**

## Accessories

	<b>V1S-G-Q3</b>	Field-attachable male QUICKON-ONE connector
	<b>V1-G-Q2</b>	Field-attachable female QUICKON-ONE connector
	<b>V1S-G-Q2</b>	Field-attachable male QUICKON-ONE connector
	<b>V1-G-BK</b>	Female connector M12 straight A-coded 4-pin, for cable diameter 4 - 6 mm, field-attachable
	<b>V1-W-BK</b>	Female connector M12 angled A-coded 4-pin, for cable diameter 4 - 6 mm, field-attachable
	<b>V1S-G-BK</b>	Male connector M12 straight A-coded 4-pin, for cable diameter 4 - 6 mm, field-attachable
	<b>V1S-W-BK</b>	Male connector M12 angled A-coded 4-pin, for cable diameter 4 - 6 mm, field-attachable
	<b>V31-WM-MQ</b>	Female cordset single-ended, M8, 4-pin, field attachable
	<b>V31-WM</b>	Female cordset single-ended, M8, 4-pin, field attachable
	<b>V31S-WM</b>	Field-attachable male connector, M8, 4-pin
	<b>V1S-GV4A</b>	Male connector, field-attachable
	<b>V1-W-SC</b>	Female connector M12 angled A-coded 4-pin, for cable diameter 4 - 8 mm, field-attachable, cage spring connection
	<b>V1S-W-SC</b>	Male connector M12 angled A-coded 4-pin, for cable diameter 4 - 8 mm, field-attachable, cage spring connection
	<b>V31S-GM-Q4</b>	Field-attachable male connector, M8, 4-pin
	<b>V31S-GM</b>	Male connector, field-attachable
	<b>V31-GM</b>	Female cordset single-ended, M8, 4-pin, field attachable

Release date: 2023-02-20 Date of issue: 2023-02-20 Filename: 70141161\_eng.pdf

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

Pepperl+Fuchs Group  
www.pepperl-fuchs.comUSA: +1 330 486 0001  
fa-info@us.pepperl-fuchs.comGermany: +49 621 776 1111  
fa-info@de.pepperl-fuchs.comSingapore: +65 6779 9091  
fa-info@sg.pepperl-fuchs.com

**PEPPERL+FUCHS**