

# Bulk Raw Cable

## CBL-PUR-A-BK-04x034-100M



- Improved resistance to weld spatter
- 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

Cable, PUR/PP, 4-core weld spatter resistant black, UL approved, drag chain suitable, torsion resistant



### Dimensions



### Technical Data

<b>Electrical specifications</b>		
Operating voltage	$U_B$	max. 300 V AC/DC
<b>Conformity</b>		
Flammability		UL 1581; DIN EN 60332-2-2
Halogen-free		DIN VDE 0472-815 IEC 60754-1
Microbial resistance		DIN EN 50525-2-21 / DIN VDE 0282-10
Hydrolysis resistance		DIN EN 50525-2-21
<b>Approvals and certificates</b>		
UL approval		AWM STYLE 20549 AWM I/II A/B 80°C 300V FT2
<b>Ambient conditions</b>		
Ambient temperature		
Cable, fixed		-40 ... 80 °C (-40 ... 176 °F)
Cable, flexing		-25 ... 80 °C (-13 ... 176 °F)
Pollution degree		3
<b>Mechanical specifications</b>		
Cable		according to IEC/EN 60228 (DIN VDE 0295) class 6

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

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## Technical Data

Sheath diameter		4.3 mm ± 0,1 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		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. 3.3 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
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>V1S-G-Q3</b>	Field-attachable male QUICKON-ONE connector

## Accessories

	<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>V31-GM-Q4</b>	Female cordset single-ended, M8, 4-pin, field attachable
	<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

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