

# Bulk Raw Cable

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



- Suitable for drag chains and abrasion resistant
- Suitable for robotic applications / torsion resistant
- Free of paint wetting interfering substances
- Resistant to microbes and hydrolysis
- UV resistant
- cURus approval
- Halogen-free

Cable, PUR/PP, 4-core 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		DIN EN 50265-2-1
Halogen-free		IEC 60754-1
<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 ... 90 °C (-40 ... 194 °F)
Cable, flexing		-5 ... 80 °C (23 ... 176 °F)
Pollution degree		3
<b>Mechanical specifications</b>		
Cable		according to IEC/EN 60228 (DIN VDE 0295) class 5
Sheath diameter		4.3 mm ± 0,1 mm
Bending radius		> 10 x cable diameter, moving > 7.5 x cable diameter, fixed

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

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## Technical Data

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 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
<b>Material</b>		
PWIS free		yes
Halogen-free		yes
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 Assignment

_____	BN
_____	WH
_____	BU
_____	BK

## Accessories

	<b>V1-G-Q3</b>	Field-attachable female QUICKON-ONE connector
	<b>V1-WV2A</b>	Female connector, field-attachable
	<b>V1S-G-Q3</b>	Field-attachable male QUICKON-ONE connector

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## Accessories

	<b>V1-G-Q2</b>	Field-attachable female QUICKON-ONE connector
	<b>V1S-G-Q2</b>	Field-attachable male QUICKON-ONE connector
	<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>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