



### Model Number

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

Cable, PUR/PP, 4-wire

### Features

- Improved resistance to weld slag
- Suitable for drag chains
- Suitable for robotic applications / torsion resistant
- Flame resistant cable
- Halogen-free
- Resistant to microbes and hydrolysis
- Free of paint coating substances

## Technical data

### Electrical specifications

Operating voltage	$U_B$	max. 300 V
Test voltage		$\geq 3000$ V

### Ambient conditions

Ambient temperature		cable, fixed: -40 ... 80 °C (-40 ... 176 °F) cable, flexing: -25 ... 80 °C (-13 ... 176 °F)
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### Mechanical specifications

Material		
Cable		PUR
Core insulation		PP
Cable		
Sheath diameter		$\varnothing 4.3$ mm
Bending radius		> 10 x cable diameter, moving > 5 x cable diameter, fixed
Color		black
Number of cores		4
Core cross-section		0.34 mm <sup>2</sup>
Conductor construction		42 x 0.1 mm $\varnothing$
Length	L	100 m

### Drag chain suitability

Drag chain cycles		$\geq 5000000$ (at max. 60 °C)
Motion velocity		$\leq 3.3$ m/s
Traverse distance		5 m horizontal
Acceleration		$\leq 5$ m/s <sup>2</sup>
Torsion cycles		$\geq 1000000$ (at max. 60 °C)
Torsional stress		$\pm 180$ °/m

### Flammability

Cable		FT2
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### Compliance with standards and directives

Standard conformity		
Flammability		Cable: UL 758 / UL 1581
Halogen-free		IEC 60754-1:1994/DIN VDE 0472-815

### Approvals and certificates

UL approval		cURus, General Purpose, E231213
Maximum permissible operating voltage		$\leq 42.4$ V peak, Class 2 source only
CCC approval		This product is not subject to authorization and therefore does not bear a CCC marking.
Maximum permissible operating voltage		$\leq 75$ V AC/DC

## Electrical connection

_____	BN
_____	WH
_____	BU
_____	BK