

Bulk Raw Cable

CBL-PUR-BK-03x034-100M

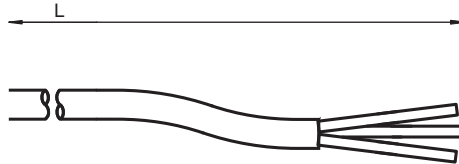


- Suitable for drag chains and abrasion resistant
- Suitable for robotic applications / torsion resistant
- Free of paint wetting interfering substances
- Resistant to microbes and hydrolysis
- UV resistant
- cURus approval
- Halogen-free

Cable, PUR/PP, 3-core black, 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		IEC 60754-1
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		-20 ... 80 °C (-4 ... 176 °F)
Pollution degree		3
Mechanical specifications		
Cable		according to IEC/EN 60228 (DIN VDE 0295) class 6
Sheath diameter		4.3 mm ± 0,1 mm
Bending radius		> 10 x cable diameter, moving > 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		3
Core cross section		0.34 mm ²
Cores color		Core 1: brown Core 2: blue Core 3: black
Core construction		42 x 0.1 mm Ø
Length	L	100 m
Cable code		Li 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
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
.....	BU
.....	BK





Accessories

	V3S-GM	Male connector, field-attachable
	V3-WM-MQ	Female cordset single-ended, M8, 3-pin, field attachable
	V3S-WM-MQ	Field-attachable male connector, M8, 3-pin
	V3-WM	Female cordset single-ended, M8, 3-pin, field attachable

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	V3-GM	Female cordset single-ended, M8, 3-pin, field attachable
	V3S-WM	Field-attachable male connector, M8, 3-pin
	V3-GM-Q4	Female cordset single-ended, M8, 3-pin, field attachable
	V3S-GM-Q4	Field-attachable male connector, M8, 3-pin