

## Bulk Raw Cable

### CBL-PUR-A-BK-05x034-100M

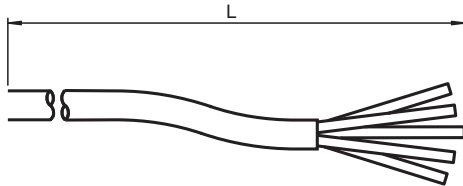


- Improved resistance to weld spatter
- Suitable for drag chains and abrasion resistant
- Suitable for robotic applications / torsion resistant
- Free of paint wetting interfering substances
- Resistant to microbes and hydrolysis
- cURus approval
- Halogen-free

Cable, PUR/PP, 5-core weld spatter resistant 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          | DIN VDE 0472-815<br>IEC 60754-1     |
| Microbial resistance  | DIN EN 50525-2-21 / DIN VDE 0282-10 |
| Hydrolysis resistance | DIN EN 50525-2-21                   |

#### Approvals and certificates

|             |                                            |
|-------------|--------------------------------------------|
| UL approval | AWM STYLE 20549 AWM I/II A/B 80°C 300V FT2 |
|-------------|--------------------------------------------|

#### Ambient conditions

|                           |                                |
|---------------------------|--------------------------------|
| Ambient temperature       |                                |
| Cable, fixed installation | -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        | 4.7 mm $\pm$ 0,1 mm                                                                     |
| Bending radius         | > 10 x cable diameter, movable installation<br>> 5 x cable diameter, fixed installation |
| Sheath stripping force | max. 80 N / 300 mm                                                                      |
| Sheath color           | black (similar to RAL 9005)                                                             |
| Number of cores        | 5                                                                                       |
| Core cross section     | 0.34 mm <sup>2</sup>                                                                    |

Release date: 2025-02-14 Date of issue: 2025-02-14 Filename: 263597\_eng.pdf

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

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 **PEPPERL+FUCHS**

## Technical Data

|                        |   |                                                                                 |
|------------------------|---|---------------------------------------------------------------------------------|
| Cores color            |   | Core 1: brown<br>Core 2: white<br>Core 3: blue<br>Core 4: black<br>Core 5: grey |
| Core construction      |   | 42 x 0.1 mm Ø                                                                   |
| Length                 | L | see type code V*-[length]M-*                                                    |
| Cable code             |   | Li F 9Y 11Y 5 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                                                                       |
| Mass                   |   | 2826 g                                                                          |

### Material

|                              |  |                        |
|------------------------------|--|------------------------|
| PWIS free                    |  | yes                    |
| Halogen-free                 |  | yes                    |
| Cable                        |  |                        |
| Sheathing                    |  | PUR based on polyether |
| Cores                        |  | bare copper (Cu)       |
| 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 |
| _____ | GY |