

# Bulk Raw Cable

## CBL-PUR-A1-YE-05x034-100M



- Improved resistance to weld slag
- 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
- Meets the VASS6 standard

Cable, PUR/PP, 5-core, welding-bead resistant yellow, UL approved, drag chain suitable, torsion resistant



### Dimensions



### Technical Data

|                                   |                |  |
|-----------------------------------|----------------|--|
| <b>Electrical specifications</b>  |                |  |
| Operating voltage                 | U <sub>B</sub> | max. 300 V AC/DC                                 |
| <b>Conformity</b>                 |                |  |
| Flammability                      |                | UL 1581; DIN EN 60332-2-2                        |
| Halogen-free                      |                | DIN VDE 0472-815                                 |
| Oil resistance                    |                | DIN EN 60811-2-1                                 |
| <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 ... 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 |
| Sheath diameter                   |                | 5.3 mm ± 0.2 mm                                  |

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

Pepperl+Fuchs Group  
www.pepperl-fuchs.com

USA: +1 330 486 0001  
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 1111  
fa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091  
fa-info@sg.pepperl-fuchs.com

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## Technical Data

|                        |   |   |
|------------------------|---|---|
| Bending radius         |   | > 10 x cable diameter, moving<br>> 5 x cable diameter, fixed                    |
| Sheath stripping force |   | max. 80 N / 300 mm  |
| Sheath color           |   | yellow (similar to RAL 1021)  |
| Number of cores        |   | 5   |
| Core cross section     |   | 0.34 mm <sup>2</sup>  |
| 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 | 100 m   |
| Cable code             |   | Li F 9Y 11Y 5 x 0,34  |
| Drag chain suitability |   |   |
| Drag chain cycles      |   | min. 5000000  |
| Motion velocity        |   | max. 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                     |
| Welding-bead resistance      |  | yes                    |
| 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 |

## Accessories

|   |               |  |
|---|---------------|--|
|  | <b>V15S-G</b> | Cable connector, M12, 5-pin, ready for assembly  |
|  | <b>V15S-W</b> | Male connector M12 angled A-coded 5-pin, for cable diameter 4 - 6 mm, field-attachable |