

# Technical data sheet · LUTZE Single Conductor Hook Up Wire with UL/CE/MTW and HAR Approvals



Flexible Single Conductor Hook  
Up Wire · Multi-Norm

|                       |          |                     |
|-----------------------|----------|---------------------|
| <b>Identification</b> | Type     | EA HAR-UL 1×0,75 BL |
|                       | Part-No. | A61902              |

## Use/Application/Characteristics

|                 |  |
|-----------------|--|
| Application     | <ul style="list-style-type: none"> <li>• Multi rated single-conductor cable for wiring of cabinets and use in electrical and electronic equipment</li> <li>• Specially suited for machines exported to Europe (HAR) and North America (UL MTW + CSA TEW)</li> <li>• MTW rating as required <b>per NFPA 79</b> for machine tool wiring</li> </ul> |
| Characteristics | <ul style="list-style-type: none"> <li>• Fine stranding class 5, per VDE 2095</li> <li>• Very flexible for easy installation</li> <li>• Free from silicone and other varnish damaging substances</li> <li>• Conditionally resistant to oils, solvents, acids and bases</li> <li>• MTW rated</li> <li>• RoHS compliant</li> </ul>                 |

## Construction

|                                    |  |
|------------------------------------|--|
| Description                        | SINGLE CONDUCTOR HOOK UP WIRE MULTI-NORM |
| Number of conductors/cross-section | 1×0.75                                   |
| Outer Ø                            | 2.7 mm                                   |
| Outer Ø                            | 0.106 inches                             |
| Weight                             | 1.3 kg/100 m                             |
| Weight                             | 9 Lbs/Mft                                |
| Cu-Index                           | 0.7 kg/100 m                             |

24.03.2017 – Subject to technical modification

Part-No. A61902

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SYSTEMATIC TECHNOLOGY

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|                               |  |
|-------------------------------|--|
| Cu-Index                      | 5 Lbs/Mft  |
| <b>Element 1</b>              |  |
| Element construction          | AWG19/1C   |
| Conductor                     | CU-wire tin-plated                                 |
| Conductor category            | Finely stranded DIN VDE 0295<br>IEC 60228, Class 5 |
| Conductor marking             | blue   |
| Conductor insulation          | PVC  |
| Conductor insulation standard | UL 1581<br>Class 43 heat and humidity resistant    |

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## Technical data

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|                              |                    |
|------------------------------|--------------------|
| Rated voltage $U_0/U$        | 300/500 V          |
| Rated voltage UL             | 600 V              |
| Test voltage type            | AC 3000 V          |
| Temperature range moving     | -5 °C ... +105 °C  |
| Temperature range fixed      | -40 °C ... +105 °C |
| Minimum bending radius fixed | 5×D                |

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## Element 1

|                      |          |
|----------------------|----------|
| Element construction | AWG19/1C |
|----------------------|----------|

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## Approvals/Standards

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|                               |   |
|-------------------------------|---|
| Approvals                     | cULus<br>cURus<br>UL 1063 MTW Listed<br>TEW<br>HAR<br>HAR: HD 21.3 S3 |
| UL style                      | AWM 1015  |
| Conformity                    | CE<br>RoHS<br>REACH   |
| Burning behavior according to | UL VW-1<br>IEC 60332-1  |

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## General

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|      |  |
|------|--|
| Note | CE These products are in conformity with the EU Low Voltage Directive 2014/35/EU |
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## Symbols

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