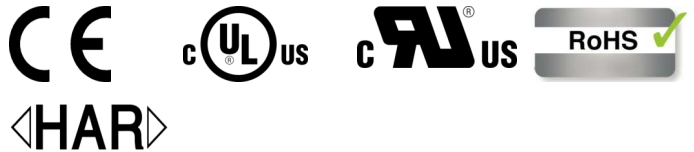


## Technical data sheet

### Flexible Single Conductor Hook Up Wire · Multi-Norm

#### LUTZE Single Conductor Hook Up Wire With UL/CE/MTW and HAR Approvals



#### Identification

Type EA HAR-UL 1×25 SW  
Part No. [A60401](#)

#### Product version

Datasheet version 00

#### Use/Application/Properties

- Application
- Multi-rated single-conductor cable for wiring cabinets and use in electrical and electronic equipment
  - Specially suited for machines exported to Europe (HAR) and North America (UL MTW)
  - MTW Machine Tool Wire
- Properties
- Fine stranding class 5, per VDE 0295
  - Very flexible for easy installation
  - Conditionally resistant to oils, solvents, acids and bases
  - Talc free and silicone free

#### Construction

|                                    |  |
|------------------------------------|--|
| Description                        | SINGLE CONDUCTOR HOOK UP WIRE MULTI-NORM |
| Number of conductors/cross-section | 1×25                                     |
| Number of conductors               | 1  |
| Cross-section, metric              | 25 mm <sup>2</sup>                       |
| Cross-section AWG                  | AWG 4                                    |
| Jacket color                       | black RAL 9005                           |
| Outer Ø                            | 10 mm                                    |
| Outer Ø                            | 0.394 inch                               |
| Weight                             | 26.7 kg/100 m                            |
| Weight                             | 180                                      |
| Cu Index                           | 24 kg/100 m                              |
| Cu Index                           | 161 Lbs/Mft                              |

#### Construction Element 1

|                      |                    |
|----------------------|--------------------|
| Element construction | AWG4/1C            |
| Conductor            | CU-wire tin-plated |

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Part No. [A60401](#) • Datasheet version: 00

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|                               |  |
|-------------------------------|--|
| Conductor category            | Finely stranded DIN VDE 0295<br>IEC 60228, Class 5 |
| Conductor marking             | black  |
| 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 $U_N$          | H05V2-K 300/500 V<br>H07V2-K 450/750 V<br>600 V UL MTW<br>600 V UL AWM 105 °C |
| 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×cable OD  |

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#### Technical Data Element 1

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|                                |          |
|--------------------------------|----------|
| Element construction           | AWG4/1C  |
| Insulation resistance at 20 °C | 20 MΩ×km |

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#### Approvals/Standards

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|                               |  |
|-------------------------------|--|
| Approvals                     | HAR: HD 21.3 S3<br>UL 1063 MTW Listed<br>UL AWM<br>RoHS<br>REACH |
| UL style                      | AWM 1015   |
| Conformity                    | CE<br>RoHS<br>REACH<br>TSCA                                      |
| 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 |
|------|--|