

## 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 1G4 GN/GE  
Part No. [A61200](#)

#### 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 | 1×4                                      |
| Number of conductors               | 1                                        |
| Cross-section, metric              | 4 mm <sup>2</sup>                        |
| Cross-section AWG                  | AWG 12                                   |
| Jacket color                       | green-yellow                             |
| Outer Ø                            | 4.3 mm                                   |
| Outer Ø                            | 0.169 inch                               |
| Weight                             | 4.47 kg/100 m                            |
| Weight                             | 31                                       |
| Cu-Index                           | 3.8 kg/100 m                             |
| Cu-Index                           | 25 Lbs/Mft                               |

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SYSTEMATIC TECHNOLOGY

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#### Construction Element 1

|                               |                                                    |
|-------------------------------|----------------------------------------------------|
| Element construction          | AWG12/1C                                           |
| Conductor                     | CU-wire tin-plated                                 |
| Conductor category            | Finely stranded DIN VDE 0295<br>IEC 60228, Class 5 |
| Conductor marking             | green/yellow                                       |
| Conductor insulation          | PVC                                                |
| Conductor insulation standard | UL 1581<br>Class 43 heat and humidity resistant    |

#### Technical data

|                              |                                                                               |
|------------------------------|-------------------------------------------------------------------------------|
| 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×D                                                                           |

#### Technical Data Element 1

|                                |          |
|--------------------------------|----------|
| Element construction           | AWG12/1C |
| Insulation resistance at 20 °C | 20 MΩ×km |

#### Certifications/Standards

|                               |                                                                  |
|-------------------------------|------------------------------------------------------------------|
| Certifications                | 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                                           |

#### General

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