

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 1×1,0 BN
Part No. [A61803](#)

Product version

Datasheet version 00

Use/Application/Properties

- | | |
|-------------|---|
| Application | <ul style="list-style-type: none">• 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 | <ul style="list-style-type: none">• 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	1×1.0
Number of conductors	1
Cross-section, metric	1 mm ²
Cross-section AWG	AWG 18
Jacket color	brown
Outer Ø	2.9 mm
Outer Ø	0.114 inch
Weight	1.55 kg/100 m
Weight	10
Cu-Index	0.96 kg/100 m
Cu-Index	6 Lbs/Mft

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SYSTEMATIC TECHNOLOGY

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Construction Element 1

Element construction	AWG18/1C
Conductor	CU-wire tin-plated
Conductor category	Finely stranded DIN VDE 0295 IEC 60228, Class 5
Conductor marking	brown
Conductor insulation	PVC
Conductor insulation standard	UL 1581 Class 43 heat and humidity resistant

Technical data

Rated voltage U_N	H05V2-K 300/500 V H07V2-K 450/750 V 600 V UL MTW 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	AWG18/1C
Insulation resistance at 20 °C	20 MΩ×km

Certifications/Standards

Certifications	HAR: HD 21.3 S3 UL 1063 MTW Listed UL AWM RoHS REACH
UL style	AWM 1015
Conformity	CE RoHS REACH TSCA
Burning behavior according to	UL VW-1 IEC 60332-1

General

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