

# 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 1×1,0 BN
	Part-No.	A61803

## 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	1×1.0
Outer Ø	2.9 mm
Outer Ø	0.114 inches
Weight	1.5 kg/100 m
Weight	10 Lbs/Mft
Cu-Index	0.9 kg/100 m

24.03.2017 – Subject to technical modification

Part-No. A61803

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Cu-Index	6 Lbs/Mft
<b>Element 1</b>	
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

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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	AWG18/1C
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## Approvals/Standards

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