

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



Flexible Single Conductor Hook Up Wire · Multi-Norm

Identification	Type	EA HAR-UL 1×6 SW
	Part-No.	A61001

Use/Application/Characteristics

Application	• Multi rated single-conductor cable for wiring of cabinets and use in electrical and electronic equipment • Specially suited for machines exported to Europe (HAR) and North America (UL MTW + CSA TEW) • MTW rating as required per NFPA 79 for machine tool wiring
Characteristics	• Fine stranding class 5, per VDE 0295 • Very flexible for easy installation • Free from silicone and other varnish damaging substances • Conditionally resistant to oils, solvents, acids and bases • MTW rated • RoHS compliant

Construction

Description	SINGLE CONDUCTOR HOOK UP WIRE MULTI-NORM
Number of conductors/cross-section	1×6
Cross-section AWG	AWG 10
Cross-section, metric	6 mm ²
Jacket color	black RAL 9005
Outer Ø	4.8 mm
Outer Ø	0.189 inch

25.01.2020 – Subject to technical modification

Part-No. A61001

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SYSTEMATIC TECHNOLOGY

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Weight	6.5 kg/100 m
Weight	44 Lbs/Mft
Cu-Index	5.8 kg/100 m
Cu-Index	39 Lbs/Mft

Element 1

Element construction	AWG10/1C
Conductor	CU-wire tin-plated
Conductor category	Finely stranded DIN VDE 0295 IEC 60228, Class 5
Conductor marking	black
Conductor insulation	PVC
Conductor insulation standard	UL 1581 Class 43 heat and humidity resistant

Technical data

Rated voltage U_0/U	450/750 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

Element 1

Element construction	AWG10/1C
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Certifications/Standards

Certifications	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

General

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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