

# Technical data sheet · LÜTZE ELECTRONIC (C) PLTC PVC TPC with twisted pairs and UL/CE/PTLC Approvals



Flexible electronic cable · Shielded

<b>Identification</b>	Type	LIY(C)PVC TP (1×2×AWG20)UL/cURus/CE/PLTC
	Part-No.	A3142002

## Use/Application/Characteristics

Application	<ul style="list-style-type: none"> <li>• <b>Double shielded industrial grade PLTC</b> electronic cable for machine tools, process instrumentation and controls, computer peripherals, HVAC technology, assembly and production lines, low voltage interconnect and other industrial applications including <b>installation in cable trays</b></li> </ul>
Characteristics	<ul style="list-style-type: none"> <li>• Flexible for easy installation</li> <li>• Easy strip design</li> <li>• Color coded conductors</li> <li>• Conductors twisted in pairs</li> <li>• Specially formulated jacket for oil resistance</li> <li>• Premium durability</li> <li>• Extended temperature range</li> <li>• <b>UL listed</b> and <b>NFPA 79</b> compliant</li> </ul>

## Construction

Description	ELECTRONIC (C) PLTC PVC TP
Number of conductors/cross-section	2×AWG20
Jacket material	PVC
Jacket color	grey RAL 7001
Outer Ø	5.7 mm

10.03.2017 – Subject to technical modification

Part-No. A3142002

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Outer Ø	0.225 inches
Weight	35 Lbs/Mft
Cu-Index	18 Lbs/Mft

## Element 1

Element construction	AWG20/1TP
Conductor construction	AWG 20 (19/32)
Conductor	AWG conductor CU-wire tin-plated
Conductor category	feindrähtig
Conductor marking	black red
Conductor insulation	SR-PVC
Stranding	Conductors stranded in pairs

## overall construction

Drain wire	CU-wire tin-plated
Overall shield	Aluminium laminate Aluminium laminate Braid shield Tinned copper wires
Jacket characteristics	Flame-retardant Oil resistant Silicone-free

## Technical data

Rated voltage UL	300 V
Temperature range fixed	-25 °C ... +105 °C
Minimum bending radius fixed	6×D

## Element 1

Element construction	AWG20/1TP
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## Approvals/Standards

Approvals	cULus PLTC UL Type CM cURus AWM II A/B NEC 725, 760, 800 Class 1 Div. 2 (PLTC use only)
UL style	AWM 2464

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Conformity	CE REACH RoHS
Burning behavior according to	UL VW-1 UL FT4
Oil resistant according to	Oil Res II

## General

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

## Symbols



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