

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



Flexible electronic cable · Shielded

Identification	Type	LIY(C)PVC TP (5×2×AWG22)UL/cURus/CE/PLTC
	Part-No.	A3142210

Use/Application/Characteristics

Application	<ul style="list-style-type: none"> • Double shielded industrial grade PLTC 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 installation in cable trays
Characteristics	<ul style="list-style-type: none"> • Flexible for easy installation • Easy strip design • Color coded conductors • Conductors twisted in pairs • Specially formulated jacket for oil resistance • Premium durability • Extended temperature range • UL listed and NFPA 79 compliant

Construction

Description	ELECTRONIC (C) PLTC PVC TP
Number of conductors/cross-section	10×AWG22
Jacket material	PVC
Jacket color	grey RAL 7001
Outer Ø	8.3 mm

10.03.2017 – Subject to technical modification

Part-No. A3142210

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SYSTEMATIC TECHNOLOGY

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Outer Ø	0.328 inches
Weight	71 Lbs/Mft
Cu-Index	37 Lbs/Mft

Element 1

Element construction	AWG22/5TP
Conductor construction	AWG 22 (19/34)
Conductor	AWG conductor CU-wire tin-plated
Conductor category	feindrähtig
Conductor marking	white black white brown white red white orange white yellow
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	AWG22/5TP
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Approvals/Standards

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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
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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