

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 (6×2×AWG20)UL/cURus/CE/PLTC
	Part-No.	A3142012

Use/Application/Characteristics

Application	• 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	• 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	12×AWG20
Jacket material	PVC
Jacket color	grey RAL 7001
Outer Ø	10.5 mm

10.03.2017 – Subject to technical modification

Part-No. A3142012

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Outer Ø	0.413 inches
Weight	115 Lbs/Mft
Cu-Index	66 Lbs/Mft

Element 1

Element construction	AWG20/6TP
Conductor construction	AWG 20 (19/32)
Conductor	AWG conductor CU-wire tin-plated
Conductor category	feindrähtig
Conductor marking	black red black white black green black blue black brown black 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	AWG20/6TP
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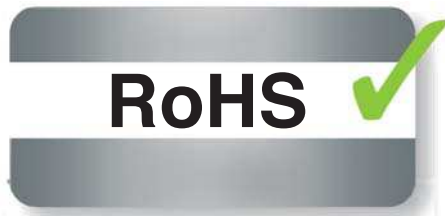
Approvals/Standards

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
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
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Symbols



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