

Technical data sheet

Flexible Electronic Cable (C) PLTC PVC · Shielded

LUTZE ELECTRONIC (C) PLTC PVC For Stationary Applications



Identification

Type LIY(C)Y (2×AWG18) PLTC
Part No. [A3131802](#)

Product version

Datasheet version 00

Use/Application/Properties

- | | |
|-------------|---|
| Application | <ul style="list-style-type: none">• Multi-conductor industrial grade PLTC electronic cable• Machine tools, machine and plant construction, VAC technology as well as other uses.• Compliant with NFPA 79 requirements• PLTC for installation in cable trays |
| Properties | <ul style="list-style-type: none">• Flexible for easy installation• Easy strip design• Color coded conductors• Specially formulated jacket for oil resistance• Ecolab certified resistance to common cleaning agents and chemicals used in food and beverage washdown procedures• Premium durability• Extended temperature range• Sunlight resistant• Gas/vapor-tight sheath per UL 1277 and 13• Talc free and silicone free |

Construction

Description	ELECTRONIC (C) PLTC PVC
Number of conductors/cross-section	2×AWG18
Number of conductors	2
Cross-section, metric	1 mm ²
Cross-section AWG	AWG 18
Jacket material	PVC

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Jacket color	grey similar to RAL 7001
Outer Ø	5.9 mm
Outer Ø	0.233 inch
Weight	44 Lbs/Mft
Cu-Index	27 Lbs/Mft

Construction Element 1

Element construction	AWG18/2C
Conductor construction	AWG 18 (19/30)
Conductor	AWG conductor CU-wire tin-plated
Conductor category	fine wire
Conductor marking	black • red
Conductor insulation	SR-PVC

Overall construction

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

Technical data

Rated voltage UL	300 V
Temperature range fixed	-40 °C ... +105 °C
Minimum bending radius fixed	4×D

Technical Data Element 1

Element construction	AWG18/2C
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Certifications/Standards

Certifications	PLTC UL Type CM AWM II A/B Meets NEC 392,800 NEC 725 Class I and II, Div. 2 Class 1 Div. 2 per NEC 501, 502, 505 (PLTC use only) UL 13
UL style	AWM 2464

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Conformity	CE RoHS REACH TSCA
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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