

Technical data sheet

Flexible Electronic Cable (C) PLTC PVC · Shielded

LUTZE ELECTRONIC (C) PLTC PVC For Stationary Applications



Identification

Type LIY(C)Y (4×AWG20) PLTC
Part No. [A3132004](#)

Product version

Datasheet version 00

Use/Application/Properties

Application

- 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

- Flexible for easy installation
- Easy strip design
- Color coded conductors
- Specially formulated jacket for oil resistance
- Premium durability
- Extended temperature range
- Sunlight resistant
- Gas/vapor-tight sheath per UL 1277
- Talc free and silicone free
- Ecolab certified resistance to common cleaning agents and chemicals used in food and beverage washdown procedures

Construction

Description ELECTRONIC (C) PLTC PVC
Number of conductors/cross-section 4×AWG20
Number of conductors 4
Cross-section, metric 0.5 mm²
Cross-section AWG AWG 20
Jacket material PVC

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Jacket color	grey similar to RAL 7001
Outer Ø	6.2 mm
Outer Ø	0.246 inch
Weight	48 Lbs/Mft
Cu-Index	27 Lbs/Mft

Construction Element 1

Element construction	AWG20/4C
Conductor construction	AWG 20 (19/32)
Conductor	AWG conductor CU-wire tin-plated
Conductor category	fine wire
Conductor marking	black · red · white · green
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	AWG20/4C
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Certifications/Standards

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