

Technical data sheet

Flexible Electronic Cable (C) PLTC PVC · Shielded

LUTZE ELECTRONIC (C) PLTC PVC For Stationary Applications



Identification

Type LIY(C)Y (20×AWG18) PLTC
Part No. [A3131820](#)

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• 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	20×AWG18
Number of conductors	20
Cross-section, metric	1 mm ²
Cross-section AWG	AWG 18
Jacket material	PVC

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SYSTEMATIC TECHNOLOGY

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Jacket color	grey similar to RAL 7001
Outer Ø	12.4 mm
Outer Ø	0.488 inch
Weight	217 Lbs/Mft
Cu-Index	150 Lbs/Mft

Construction Element 1

Element construction	AWG18/20C
Conductor construction	AWG 18 (19/30)
Conductor	AWG conductor CU-wire tin-plated
Conductor category	fine wire
Conductor marking	black • red • white • green • orange • blue • brown • yellow • violet • grey • pink • tan • red/green • red/yellow • pink/black • white/black • white/red • white /green • white/yellow • white/blue
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	AWG18/20C
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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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