

Technical data sheet

Flexible Electronic Cable PLTC PVC · Unshielded

LUTZE ELECTRONIC PLTC PVC For Stationary Applications



Identification

Type LiYY PLTC PVC 4×AWG18
Part No. [A3031804](#)

Product version

Datasheet version 00

Use/Application/Properties

- Application
- Multi-conductor industrial grade PLTC electronic cable
 - Machine tools, machine and plant construction, HVAC technology, refrigeration as well as many other areas of use.
 - 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
 - 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 PLTC PVC
Number of conductors/cross-section 4×AWG18
Number of conductors 4
Cross-section, metric 1 mm²
Cross-section AWG AWG 18
Jacket material PVC

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Jacket color	grey similar to RAL 7001
Outer Ø	6.1 mm
Outer Ø	0.242 inch
Weight	43 Lbs/Mft
Cu-Index	24 Lbs/Mft

Construction Element 1

Element construction	AWG18/4C
Conductor construction	AWG 18 (19/30)
Conductor	AWG conductor CU-wire tin-plated
Conductor category	fine wire
Conductor marking	black · red · white · green
Conductor insulation	SR-PVC

Overall construction

Jacket characteristics	Flame-retardant Oil resistant Silicone-free
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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	AWG18/4C
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Certifications/Standards

Certifications	PLTC UL Type CM AWM I/II A/B FT1 Meets NEC 392,800 NEC 725 Class I and II, Div. 2 and Class I Zone 2 per NEC 501, 502, 505 (PLTC use only) UL 13
UL style	AWM 2464
Conformity	CE RoHS REACH TSCA
Burning behavior according to	UL VW-1 UL FT4
Oil resistant according to	Oil Res II

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General

Note

CE These products are in conformity with the EU Low Voltage Directive 2014/35/EU