

Technical data sheet

Flexible Electronic Cable PLTC PVC · Unshielded

LUTZE ELECTRONIC PLTC PVC For Stationary Applications



Identification

Type LiYY PLTC PVC 10×AWG18
Part No. [A3031810](#)

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, HVAC technology, refrigeration as well as many other areas of use.• 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 PLTC PVC
Number of conductors/cross-section	10×AWG18
Number of conductors	10
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	9.1 mm
Outer Ø	0.359 inch
Weight	97 Lbs/Mft
Cu-Index	61 Lbs/Mft

Construction Element 1

Element construction	AWG18/10C
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
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	AWG18/10C
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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