

Technical data sheet

Flexible Electronic Cable PLTC PVC · Unshielded

LUTZE ELECTRONIC PLTC PVC For Stationary Applications



Identification

Type LiYY PLTC PVC 3×AWG16
Part No. [A3031603](#)

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	3×AWG16
Number of conductors	3
Cross-section, metric	1.5 mm ²
Cross-section AWG	AWG 16
Jacket material	PVC

United Kingdom: LÜTZE Ltd.

Unit 3, Sandy Hill Park
Sandy Way, Amington • GB-Tamworth, Staffs B77 4DU
Tel. +44 (0)1827 31333-0 • Fax +44 (0)1827 31333-2
www.lutze.com • sales.gb@lutze.co.uk

Germany: Friedrich Lütze GmbH

Postfach 12 24 (PLZ 71366) • Bruckwiesenstraße 17-19 • D-71384 Weinstadt
Tel. +49 (0)7151 6053-0 • Fax +49 (0)7151 6053-277(-288)
www.luetze.de • info@luetze.de

13.04.2023 • Subject to technical modification

Part No. [A3031603](#) • Datasheet version: 00

page 1 of 3

Technical data sheet

Flexible Electronic Cable PLTC PVC · Unshielded

Jacket color	grey similar to RAL 7001
Outer Ø	6.9 mm
Outer Ø	0.271 inch
Weight	48 Lbs/Mft
Cu-Index	24 Lbs/Mft

Construction Element 1

Element construction	AWG16/3C
Conductor construction	AWG 16 (26/30)
Conductor	AWG conductor CU-wire tin-plated
Conductor category	fine wire
Conductor marking	black • red • white
Conductor insulation	SR-PVC

Overall construction

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	AWG16/3C
----------------------	----------

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

Technical data sheet

Flexible Electronic Cable PLTC PVC · Unshielded

General

Note

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