

Technical data sheet

Flexible Electronic Cable PLTC PVC · Unshielded

LUTZE ELECTRONIC PLTC PVC For Stationary Applications



Identification

Type LiYY PLTC PVC 8×AWG20
Part No. [A3032008](#)

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 8×AWG20
Number of conductors 8
Cross-section, metric 0.5 mm²
Cross-section AWG AWG 20
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

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SYSTEMATIC TECHNOLOGY

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Jacket color	grey similar to RAL 7001
Outer Ø	7.2 mm
Outer Ø	0.282 inch
Weight	58 Lbs/Mft
Cu-Index	30 Lbs/Mft

Construction Element 1

Element construction	AWG20/8C
Conductor construction	AWG 20 (19/32)
Conductor	AWG conductor CU-wire tin-plated
Conductor category	fine wire
Conductor marking	black · red · white · green · orange · blue · brown · yellow
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	AWG20/8C
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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