

Technical data sheet

Flexible Electronic Cable (C) TP PLTC PVC · Shielded

LUTZE ELECTRONIC (C) TP PLTC PVC For Stationary Applications



Identification

Type LiY(C)Y TP PLTC PVC (3×2×AWG22)
Part No. [A3142206](#)

Product version

Datasheet version 00

Use/Application/Properties

- Application
- 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
- 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 and 13
 - Talc free and silicone free

Construction

Description ELECTRONIC (C) PLTC PVC TP
Number of conductors/cross-section 3×2×AWG22
Number of conductors 6
Cross-section, metric 0.34 mm²
Cross-section AWG AWG 22
Jacket material PVC
Jacket color grey RAL 7001
Outer Ø 6.9 mm

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14.04.2023 • Subject to technical modification

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SYSTEMATIC TECHNOLOGY

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Outer Ø	0.273 inch
Weight	54 Lbs/Mft
Cu-Index	26 Lbs/Mft

Construction Element 1

Element construction	AWG22/3TP
Conductor construction	AWG 22 (19/34)
Conductor	AWG conductor CU-wire tin-plated
Conductor category	fine wire
Conductor marking	white · black · white · brown · white · red
Conductor insulation	SR-PVC
Stranding	conductors stranded in pairs

Overall construction

Drain wire	CU-wire tin-plated
Overall shield	aluminium-laminated film 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	AWG22/3TP
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Certifications/Standards

Certifications	PLTC UL Type CM AWM II A/B 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 style	AWM 2464
Conformity	CE RoHS REACH TSCA
Burning behavior according to	UL VW-1 UL FT4

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Oil resistant according to Oil Res II

General

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