

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 (5×2×AWG18)
Part No. [A3141810](#)

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, VAC technology as well as other uses.• 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• 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	5×2×AWG18
Number of conductors	10
Cross-section, metric	1 mm ²
Cross-section AWG	AWG 18
Jacket material	PVC
Jacket color	grey RAL 7001
Outer Ø	10.9 mm

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Outer Ø	0.428 inch
Weight	135 Lbs/Mft
Cu-Index	85 Lbs/Mft

Construction Element 1

Element construction	AWG18/5TP
Conductor construction	AWG 18 (19/30)
Conductor	AWG conductor CU-wire tin-plated
Conductor category	fine wire
Conductor marking	black • red • black • white • black • green • black • blue • black • brown
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	AWG18/5TP
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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