Technical data sheet

PVC electronic cables · shielded

LÜTZE ELECTRONIC LiY(C)Y
Shielded electronic cable UL recognized

Identification

Type	LiY(C)Y (5×0,34)
Part No.	108697

Product version

Datasheet version	00

Use/Application/Properties

Application	• For trouble-free transmission in all areas of electronics, measuring, monitoring and regulation technology • In low voltage switchgear, communications engineering • In dry and damp rooms • For flexible application for free movement and without tensile loading • Especially for industrial environments with high EMI potential in machine, plant and device construction
Properties	• Minimal cable diameter through thin-walled PVC conductor insulation according to UL • High protection against electromagnetic interferences (EMI) • Outer jacket special-PVC Class 43 according to UL • Very good oil resistance • Largely resistant to acids and bases • Silicone free

Construction

Description	ELECTRONIC LiY(C)Y
Number of conductors/cross-section	(5×0.34)
Number of conductors	5
Cross-section, metric	0.34 mm²
Jacket material	Special PVC
Jacket color	grey similar to RAL 7001
Outer Ø	6.3 mm
Outer Ø	0.25 inch

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Weight	6.6 kg/100 m
Weight	44.4 Lbs/Mft
Cu-Index	3.8 kg/100 m
Cu-Index	22.1 Lbs/Mft

Construction Element 1

Element construction	(5×0.34)
Conductor construction	7×0.25
Conductor	CU-wire bare
Conductor category	IEC 60228
Conductor marking	Color coded
Conductor marking standard	DIN 47100
Conductor insulation	Special PVC

Overall construction

Overall stranding	Layered construction
Overall wrapping	Foil taping
Overall shield	Braid shield Tinned copper wires Optical cover approx. 85 %
Jacket characteristics	Flame-retardant Oil resistant Acid-resistant Alkali-resistant Silicone free

Technical data

Rated voltage	300 V
Test voltage type	AC 2000 V
Temperature according to UL	80 °C
Temperature range moving	-10 °C … +70 °C
Temperature range fixed	-40 °C … +80 °C
Minimum bending radius moving	15×D
Minimum bending radius fixed	6×D

Technical Data Element 1

Element construction	(5×0.34)
Insulation resistance at 20 °C	≥20 MΩ×km
Operating capacitance wire-wire	approx.100 pF/m
Operating capacitance wire-shield	approx.150 pF/m

Certifications/Standards

Certifications	cURus
UL style	AWM 2464

Conformity	CE RoHS REACH
Burning behavior according to	IEC 60332-1 DIN EN 60332-1-2 VDE 0482 322-1-2 UL 1581 part VW-1 Flame Test UL FT1

General

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