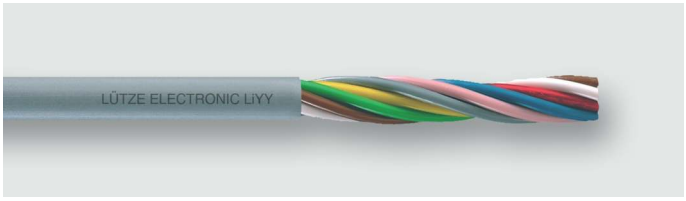
Technical data sheet

PVC electronic cables · unshielded

LÜTZE ELECTRONIC LiYY

Unshielded electronic cable UL recognized



Identification

Type	LIYY 2×0,5
Part No.	108636

Product version

Datasheet version	00

Use/Application/Properties

Application	• In all areas of electronics, measuring, monitoring and regulation technologies • In low voltage switchgear, communications engineering • In dry and damp rooms • For flexible application for free movement and without tensile loading
Properties	• Minimal cable diameter through thin-walled PVC conductor insulation according to UL • Outer jacket special-PVC Class 43 according to UL • Very good oil resistance • Largely resistant to acids and bases • Silicone free

Construction

Description	ELETRONIC LiYY
Number of conductors/cross-section	2×0.5
Number of conductors	2
Cross-section, metric	0.5 mm²
Jacket material	Special PVC
Jacket color	grey similar to RAL 7001
Outer Ø	5.3 mm
Outer Ø	0.21 inch
Tolerance	±0.2 mm
Weight	3.6 kg/100 m
Separating agent	Talcum
Weight	24.3 Lbs/Mft
Cu Index	1 kg/100 m
Cu Index	6.7 Lbs/Mft

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Construction Element 1

Element construction	2×0.5
Conductor	CU-wire bare
Conductor category	IEC 60228, Class 5 Finely stranded DIN VDE 0295 Class 5
Conductor marking	Color coded
Conductor marking standard	DIN 47100
Conductor insulation	Special PVC

Overall construction

Overall stranding	layered construction
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	12×cable OD
Minimum bending radius fixed	5×cable OD

Technical Data Element 1

Element construction	2×0.5
Insulation resistance at 20 °C	≥20 MΩ×km
Operating capacitance wire-wire	approx.90 pF/m

Approvals/Standards

Approvals	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