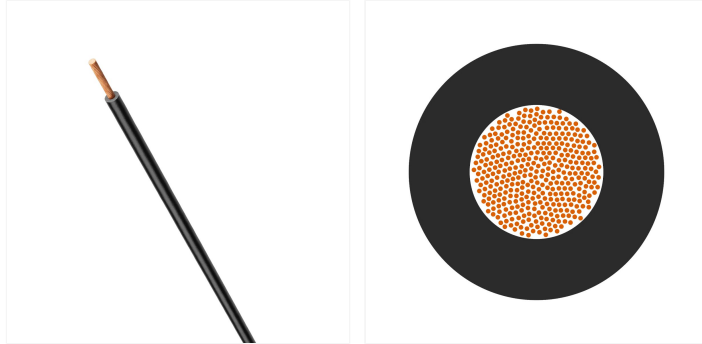


**LiFY 1X2,5 BK****Article No.:** 4560053SSingle conductor; 1X2.5; black; Spool;  $U_0/U$ : 450/750 V; PVC; Fixed Installation**Details****Benefits**

- Super-fine strands (diameter of each wire is 0.07 mm (0.0 in)) enable super-flexible cable design.
- Suitable for voltage classes 300/500 V or 450/750 V depending on the conductor cross-section.
- Different conductor insulation colors available.

**Application**

- Especially suitable as a measuring cable for use on mobile equipment.
- For highly flexible use.
- Can be used in dry rooms.
- Flexible use at temperatures down to -15°C.

**Notes**

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

If applicable, the prices are solid metal prices without additional charges and VAT. Sales only to business customers.

Unless specified otherwise, the product values shown are rated values at room temperature. You can receive additional values, such as tolerances, upon request if they are available and have been released for publication.

The absence of PWIS raw materials does not protect against the potential risk of contamination with substances that interfere with the paint wetting during subsequent handling of the product(s) during transport, storage or further processing after delivery.

Trade product, not a LAPP product.

#### Remarks

Trade product, not a LAPP product.

#### Technical Data

##### General information

Product type	Single conductor
Copper index	161.3 lb/10000 ft
Single core packaging type	Spool
Length per PU	820.21 ft
Industry segment	Healthcare & Pharma Machine Tools Robotics

##### Electrical parameters

Nominal voltage	$U_0/U$ : 450/750 V AC rms according to IEC
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##### Product design

LiF-Litz-finewire cables	LiFY
Cable dimension	1X2.5
Nominal cross section conductor (mm <sup>2</sup> )	2.5 mm <sup>2</sup>
Conductor material	Bare Copper
Conductor design	Super-fine wire (diameter of each wire is 0.07 mm (0.0 in))
Number of cores	1
Nominal outer diameter	0.165 in

Cable form	Round
Core insulation base material	Polyvinylchloride
Conductor insulation basic material, short form	PVC
Single core color	black
Single conductor identification	Single-colored

### Product features

Application area	Fixed Installation Flexible
Minimum bending radius, stationary	8 x outer diameter
Minimum bending radius in inch, fixed installation	1.323 in
Minimum bending radius, occasionally moved	10 x outer diameter
Minimum bending radius in mm, occasionally moved	1.654 in
Temperature, fixed installation	-30 °C to 70 °C max. conductor temperature
Temperature, occasionally moved	-15 °C to 70 °C max. conductor temperature
Flame-retardant	No
UV-resistant	No
Halogenfree	No
Oil resistant	No
PWIS-free	Yes
PWIS-free according to	VDMA 24364-B2-L

### Certifications and standards

CE marking	Yes
EAC certified	Yes
EAC certification number	EAЭC N RU Д-DE.АЮ64.В.00130/20, EAЭC N RU Д-DE.АЮ64.В.00142/20
VDE certified	No

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HAR-certified	No
Resistance to flame propagation tested according to UN/ECE-R118	Yes

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**LiFY**

Article No.	Name	Nominal cross section conductor (mm <sup>2</sup> )	Single core color	Single core packaging type	Nominal outer diameter	Copper index
4560013S	LiFY 1X0,75 BK	0.75 mm <sup>2</sup>	black	Spool	0.098 in	48.4 lb/10000 ft
4560014S	LiFY 1X0,75 BU	0.75 mm <sup>2</sup>	blue	Spool	0.098 in	48.38 lb/10000 ft
4560016S	LiFY 1X0,75 RD	0.75 mm <sup>2</sup>	red	Spool	0.098 in	48.38 lb/10000 ft
4560017S	LiFY 1X0,75 GNYE	0.75 mm <sup>2</sup>	green/yellow	Spool	0.098 in	48.38 lb/10000 ft
4560023S	LiFY 1X1 BK	1 mm <sup>2</sup>	black	Spool	0.114 in	64.51 lb/10000 ft
4560024S	LiFY 1X1 BU	1 mm <sup>2</sup>	blue	Spool	0.114 in	64.51 lb/10000 ft
4560026S	LiFY 1X1 RD	1 mm <sup>2</sup>	red	Spool	0.114 in	64.51 lb/10000 ft
4560027S	LiFY 1X1 GNYE	1 mm <sup>2</sup>	green/yellow	Spool	0.114 in	64.51 lb/10000 ft
4560033S	LiFY 1X1,5 BK	1.5 mm <sup>2</sup>	black	Spool	0.146 in	96.8 lb/10000 ft
4560034S	LiFY 1X1,5 BU	1.5 mm <sup>2</sup>	blue	Spool	0.146 in	96.76 lb/10000 ft
4560036S	LiFY 1X1,5 RD	1.5 mm <sup>2</sup>	red	Spool	0.146 in	96.8 lb/10000 ft
4560037S	LiFY 1X1,5 GNYE	1.5 mm <sup>2</sup>	green/yellow	Spool	0.146 in	96.76 lb/10000 ft
4560053S	LiFY 1X2,5 BK	2.5 mm <sup>2</sup>	black	Spool	0.165 in	161.3 lb/10000 ft
4560054S	LiFY 1X2,5 BU	2.5 mm <sup>2</sup>	blue	Spool	0.165 in	161.27 lb/10000 ft
4560056S	LiFY 1X2,5 RD	2.5 mm <sup>2</sup>	red	Spool	0.165 in	161.3 lb/10000 ft
4560057S	LiFY 1X2,5 GNYE	2.5 mm <sup>2</sup>	green/yellow	Spool	0.165 in	161.27 lb/10000 ft
4560063	LiFY 1X4 BK	4 mm <sup>2</sup>	black	Ring	0.201 in	258.04 lb/10000 ft
4560064	LiFY 1X4 BU	4 mm <sup>2</sup>	blue	Ring	0.201 in	258.04 lb/10000 ft
4560067	LiFY 1X4 GNYE	4 mm <sup>2</sup>	green/yellow	Ring	0.201 in	258.04 lb/10000 ft
4560073	LiFY 1X6 BK	6 mm <sup>2</sup>	black	Ring	0.236 in	387 lb/10000 ft
4560074	LiFY 1X6 BU	6 mm <sup>2</sup>	blue	Ring	0.236 in	387.05 lb/10000 ft
4560076	LiFY 1X6 RD	6 mm <sup>2</sup>	red	Ring	0.236 in	387 lb/10000 ft
4560077	LiFY 1X6 GNYE	6 mm <sup>2</sup>	green/yellow	Ring	0.236 in	387 lb/10000 ft
4560083	LiFY 1X10 BK	10 mm <sup>2</sup>	black	Ring	0.26 in	645 lb/10000 ft
4560086	LiFY 1X10 RD	10 mm <sup>2</sup>	red	Ring	0.26 in	645.09 lb/10000 ft
4560087	LiFY 1X10 GNYE	10 mm <sup>2</sup>	green/yellow	Ring	0.26 in	645 lb/10000 ft

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