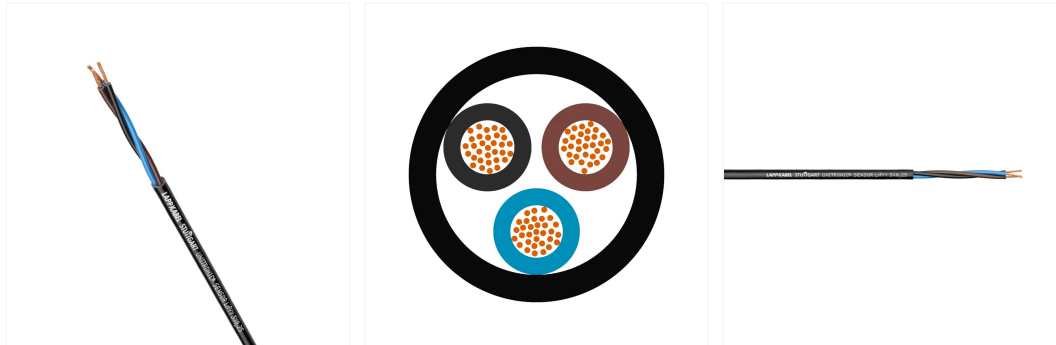


**UNITRONIC® SENSOR LifYY A 3x0,25****Article No.:** 7038903

Sensor/actuator cable; Flexible; PVC; black

**Details****Benefits**

- Compact dimensions enable easy integration into the machine concept.

**Application**

- Can be used universally at machine interfaces for many applications for data and signal transmission in the low-frequency range.
- For fixed installation and occasional flexing.
- Can be used in dry and damp environments.
- Suitable for medium mechanical stress.
- The PVC outer jacket is resistant to acids and alkaline solutions and has limited oil resistance.
- Suitable for outdoor use, subject to the temperature range.

**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.

## Remarks

## Technical Data

### General information

Brand	UNITRONIC®
Product type	Sensor/actuator cable
Copper index	50.39 lb/10000 ft
valid Fieldbus or Ethernet System	Sensor/Actuator

### Electrical parameters

Maximum operating voltage (not for power transmission)	300 V
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### Product design

LiF-Litz-finewire cables	LiFYY
Cable dimension	3X0.25
Nominal cross section conductor (mm <sup>2</sup> )	0.25 mm <sup>2</sup>
Leading conductor cross-section	mm <sup>2</sup>
Conductor material	Bare Copper
Conductor design	extra-fine wire
Including protective ground	No
Number of cores	3
Stranding type	Bundle Stranding
Shielded	No
With rodent protection	No
Nominal outer diameter	0.169 in
Cable form	Round
Core insulation base material	Polyvinylchloride

Conductor insulation basic material, short form	PVC
Basic material of outer jacket	Polyvinylchloride
Base material of outer sheath, shortname	PVC
Outer jacket color	black
Core identification	Colors
Conductor color code	EN 60947-5-2

**Product features**

Application area	Flexible
For permanent bending	No
For torsional load	No
Minimum bending radius, stationary	5 x outer diameter
Minimum bending radius in inch, fixed installation	0.846 in
Minimum bending radius, occasionally moved	10 x outer diameter
Minimum bending radius in mm, occasionally moved	1.693 in
Temperature, fixed installation	-40 °C to 80 °C max. conductor temperature
Temperature, occasionally moved	-5 °C to 70 °C max. conductor temperature
Flame-retardant	Yes
Flame retardance according to	IEC 60332-1-2 UL FT1 UL VW-1
UV-resistant	Yes
Halogenfree	No
Oil resistant	No
PWIS-free	Yes
PWIS-free according to	VDMA 24364-B2-L
Fast Connect (FC) cable	No

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**Certifications and standards**

CE marking	Yes
EAC certified	Yes
EAC certification number	EAЭC N RU Д-DE.АЮ64.В.00130/20
UL recognized	No
UL listed	No
cUR recognized	Yes
cUL listed	No
CSA certified	No
VDE certified	No
Ecolab certified	No

**UNITRONIC® SENSOR**

Article No.	Name	Cable dimension	Conductor insulation basic material, short form	Base material of outer sheath, shortname	Conductor design	Shielded	Flame-retardant	UV-resistant	Oil resistant	Nominal outer diameter
0040434	UNITRONIC® SENSOR P 4X0,34 DESINA	4X0.34	PVC	PUR	extra-fine wire	No	Yes	No	No	0.205 in
7038861	UNITRONIC® SENSOR LiFY11Y 4x0,34 BK	4X0.34	PVC	PUR	extra-fine wire	No	Yes	Yes	No	0.189 in
7038862	UNITRONIC® SENSOR LiFY11Y 5x0,25 BK	5X0.25	PVC	PUR	extra-fine wire	No	Yes	Yes	No	0.193 in
7038898	UNITRONIC® SENSOR LiFY 3x0,25	3X0.25	PVC	PVC	extra-fine wire	No	Yes	Yes	No	0.15 in
7038899	UNITRONIC® SENSOR LiFY 4x0,25	4X0.25	PVC	PVC	extra-fine wire	No	Yes	Yes	No	0.165 in
7038900	UNITRONIC® SENSOR LiFY 3x0,34	3X0.34	PVC	PVC	extra-fine wire	No	Yes	Yes	No	0.161 in
7038901	UNITRONIC® SENSOR LiFY 4x0,34	4X0.34	PVC	PVC	extra-fine wire	No	Yes	Yes	No	0.173 in
7038902	UNITRONIC® SENSOR LiFY 5x0,34	5X0.34	PVC	PVC	extra-fine wire	No	Yes	Yes	No	0.189 in
7038903	UNITRONIC® SENSOR LiFY A 3x0,25	3X0.25	PVC	PVC	extra-fine wire	No	Yes	Yes	No	0.169 in
7038904	UNITRONIC® SENSOR LiFY A 4x0,25	4X0.25	PVC	PVC	extra-fine wire	No	Yes	Yes	No	0.181 in
7038905	UNITRONIC® SENSOR LiFY A 3x0,34	3X0.34	PVC	PVC	extra-fine wire	No	Yes	Yes	No	0.173 in
7038906	UNITRONIC® SENSOR LiFY A 4x0,34	4X0.34	PVC	PVC	extra-fine wire	No	Yes	Yes	No	0.189 in
7038907	UNITRONIC® SENSOR LiFY A 5x0,34	5X0.34	PVC	PVC	extra-fine wire	No	Yes	Yes	No	0.205 in

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