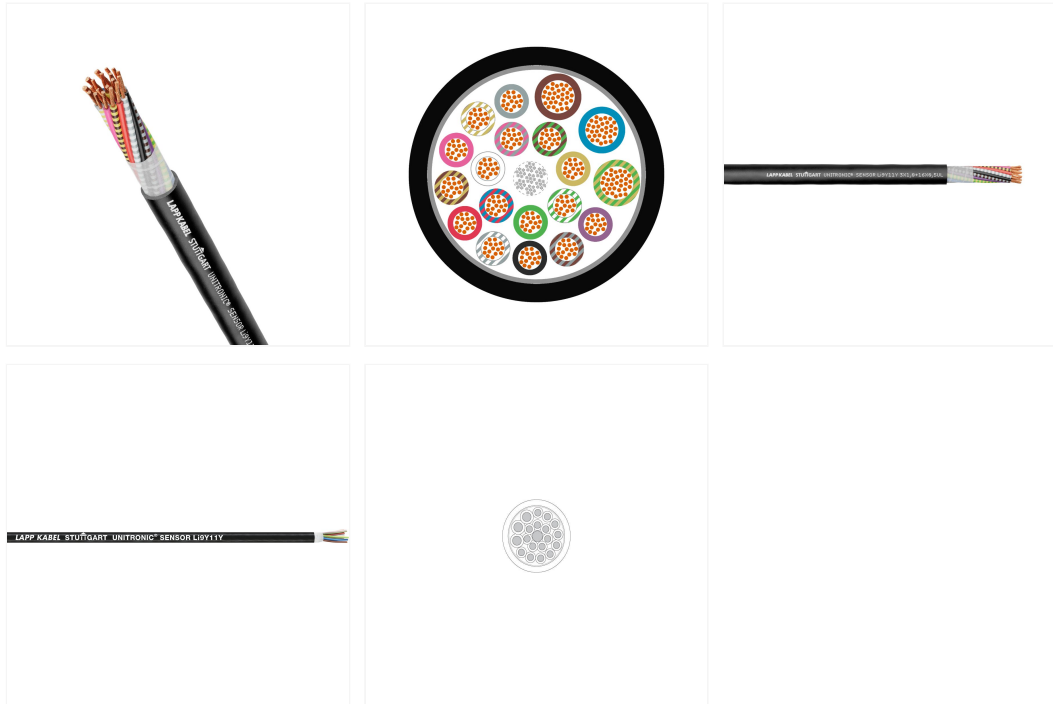


**UNITRONIC® SENSOR Li9Y11Y 3x1,0+16x0,5UL**

**Article No.:** 7038882

Sensor/actuator cable; Cable chain; PUR; black



**Details**

**Benefits**

- Durable, resistant product thanks to the outer jacket PUR material that is resistant to abrasions, notches and cuts.
- UL certification according to technical data enables the product to be used on the North American market.

**Application**

- The cable design allows flexible, continuously flexing use in moving machine parts and in the cable chain.
- Can be used in dry, damp and, especially, harsh and oily environments.
- The PUR outer jacket withstands high mechanical stress.

- The PUR outer jacket is resistant to mineral oil-based lubricants and highly resistant to chemicals.

### Notes

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.

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.

### Remarks

### Technical Data

#### General information

Brand	UNITRONIC®
Product type	Sensor/actuator cable
Copper index	709.5 lb/10000 ft
valid Fieldbus or Ethernet System	Sensor/Actuator

#### Electrical parameters

#### Product design

Conductor count/size	3x1.0+16x0.5
Nominal cross section conductor (mm <sup>2</sup> )	1 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	19
Cable element 1	Power conductor: 3G1.0
Cable element 2	Signal conductor: 16x0.5
Wrapping above stranding	Fleece Wrapping

Shielded	No
With rodent protection	No
Nominal outer diameter	0.386 in
Cable form	Round
Core insulation base material	Polypropylene
Conductor insulation basic material, short form	PP
Basic material of outer jacket	Polyurethane
Base material of outer sheath, shortname	PUR
Outer jacket color	black
Core identification	Colors

**Product features**

Application area	Cable chain
For permanent bending	Yes
For torsional load	No
Minimum bending radius, stationary	5 x outer diameter
Minimum bending radius in inch, fixed installation	1.929 in
Minimum bending radius, dynamic continuously flexing	10 x outer diameter
Minimum bending radius in inch, dynamic continuously flexing	3.858 in
Minimum bending radius, occasionally moved	10 x outer diameter
Minimum bending radius in mm, occasionally moved	3.858 in
Temperature, fixed installation	-40 °C to 80 °C max. conductor temperature
Temperature, occasionally moved	-5 °C to 80 °C max. conductor temperature
temperature, dynamic permanently moved	-5 °C to 80 °C max. conductor temperature
Flame-retardant	Yes
Flame retardance according to	UL FT2
UV-resistant	No

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Halogenfree	Yes
Halogen-free according to	VDE 0472-815
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	Yes
UL listed	No
cUR recognized	Yes
cUL listed	No
CSA certified	No
VDE certified	No
Ecolab certified	No

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**UNITRONIC® SENSOR master cable**

Article No.	Name	Nominal outer diameter	Copper index
7038880	UNITRONIC® SENSOR Li9Y11Y 3x0,75+4x0,34UL	0.26 in	231.83 lb/10000 ft
7038881	UNITRONIC® SENSOR Li9Y11Y 3X1,0+8x0,5UL	0.331 in	451.5 lb/10000 ft
7038882	UNITRONIC® SENSOR Li9Y11Y 3x1,0+16x0,5UL	0.386 in	709.5 lb/10000 ft

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