



<b>DATA SHEET</b>	703886x
<b>UNITRONIC<sup>®</sup> SENSOR FD UL/CSA Lif9Y11Y</b>	valid from : 19.08.2009

## Application

UNITRONIC<sup>®</sup> SENSOR FD UL/CSA Lif9Y11Y is a high-flexible cable for automated assembly to sensor-plug-cables. Highest emphasis is on optical and stripping-characteristics. Cable is installed highly flexible and with very small bending radius and, by means of selection of special materials and construction techniques, suitable for permanently flexing applications. PP-insulation and PUR sheath are halogenfree, cable surface is matt and highly abrasion resistant. Cable per UL subject 758, CSA 22.2.

## Design

Conductor	Bare copper wire stranded; class 6 to DIN VDE 0295: 32x0,10 for 0,25mm <sup>2</sup> and 42x0,10 for 0,34mm <sup>2</sup>
Core insulation	PP Polypropylene UL 10978/CSA C22.2
Core identification	As below per order
Outer sheath	Special-PUR Ether-PUR halogenfree, Black similar to RAL 9005

## Electrical properties at 20 °C

U <sub>0</sub> /U: Test voltage	300V rated and 600V peak (only for electronic use);per UL 2000 V
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## Mechanical and thermal properties

Temperature range	Fixed installation      -40 °C up to +80 °C Flexible applications    -15 °C up to +80 °C
Min. bending radius	5 x Ø for installation and use
Flammability	Flame retardant acc. to CSA FT2 – HFT (UL)
Halogenfree	Acc. to IEC 60754
Approvals	UL/CSA 20549, ROHS
Printing	White ink jet

Article No.	Type	sheath wall thickness Min average to UL/CSA mm	Core diameter in mm	Outer Diameter
7038864	3x0,34	0,5	1,3	4,6
7038865	4x0,34	0,5	1,3	4,7
7038866	5x0,34	0,5	1,3	5,1
7038867	5x0,25	0,5	1,2	4,7
7038868	8x0,25	0,5	1,2	5,9



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### Standard core Colours

3-core	brown, blue, black
4-core	brown, white, blue, black
5-core	brown, white, blue, black, grey
8-core	white, brown, green, yellow, grey, pink, blue, red