

PRODUCT INFORMATION

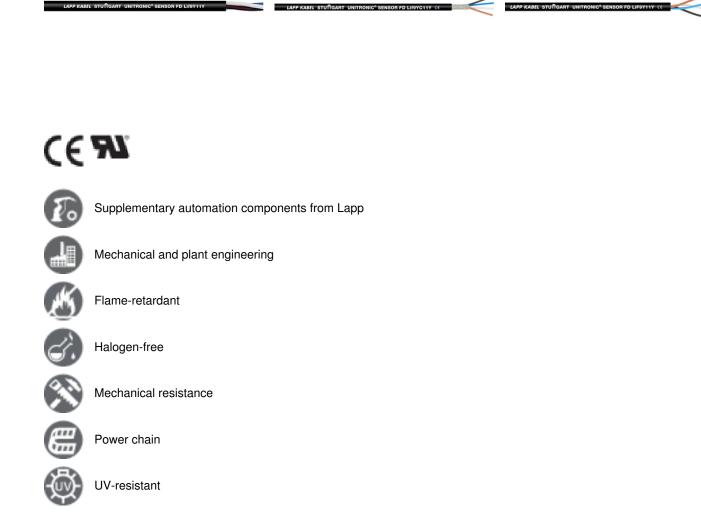
UNITRONIC® SENSOR FD

High flexible cable for sensor/actuator cabling for use in drag chains, halogen-free

Cables for sensor/actuator cabling in rough environments. For use in drah chains, halogenfree, to connect to M8, M12 connectors.

Info

For increased mechanical stress and harsh operating conditions



Benefits

Designs for highly flexible use Abrasion-resistant Wear-resistant Space-saving due to compact dimensions

Last Update (05.05.2021) ©2021 Lapp Group - Technical changes reserved Product Management www.lappkabel.de You can find the current technical data in the corresponding data sheet. PN 0456 / 02_03.16



UNITRONIC® SENSOR FD

Application range

Automation technology Sensor/ actuator cabling Mechanical and plant engineering Assembly and production lines

Product features

UV-resistant Halogen-free according to VDE 0472-815 flame-retardant according to IEC 60332-2-2, UL 1581 FT-2 Suitable for drag chains Designed for 4 million alternating bending cycles and travel distances up to 10 m

Norm references / Approvals

UL AWM Style 20549

Product Make-up

Extra-fine wire strand made of bare copper wires Core insulation: PP Colour-code: 3-pin: bn, bu, bk 4-pin: bn, wh, bu, bk 5-pin: bn, wh, bu, bk, gy 8-pin: bn, wh, gn, ye, gy, pk, bu, rd Outer sheath: PUR, black

Technical Data

Classification ETIM 5:	ETIM 5.0 Class-ID: EC001578 ETIM 5.0 Class-Description: Flexible cable
Classification ETIM 6:	ETIM 6.0 Class-ID: EC001578 ETIM 6.0 Class-Description: Flexible cable
Peak operating voltage:	300 V (not for power applications)
Conductor stranding:	Extra-fine wire acc. to VDE 0295, class 6/ IEC 60228 class 6
Minimum bending radius:	Fixed installation: 5 x outer diameter Flexing: 10 x outer diameter
Temperature range:	Occasional flexing: -25°C to +80°C Fixed installation: -40°C to +80°C

Note

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

Copper price basis: EUR 150/100 kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges.

Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths

Other types of composition are available upon request.

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

Prices are net prices without VAT and surcharges. Sale to business customers only.

Article number	Article designation	Dimensions (mm ²)	Outer diameter [mm]	Core/outer sheath material	Colour	Copper index [kg/km]
UNITRONIC® SENS	SOR FD					L.
7038867	Lif9Y11Y	5 x 0.25	4.7	PP/PUR	black	12
7038868	Lif9Y11Y	8 x 0.25	5.9	PP/PUR	black	19
7038864	Lif9Y11Y	3 x 0.34	4.6	PP/PUR	black	9.8
7038865	Lif9Y11Y	4 x 0.34	4.7	PP/PUR	black	13
UNITRONIC® SENS	SOR FD - optimized					L
7038889	Lif9Y11Y	3x0.25	3.6	PP/PUR	black	7.5
7038890	Lif9Y11Y	4x0.25	3.8	PP/PUR	black	10.2
7038893	Lif9Y11Y	5 x 0.34	4.5	PP/PUR	black	16
UNITRONIC® SENS	SOR FD screened					
7038885	Lif9YC11Y	3 x 0.34	4.3	PP/PUR	black	19.1
7038886	Lif9YC11Y	4 x 0.34	4.6	PP/PUR	black	23.5
7038887	Lif9YC11Y	5 x 0.34	5	PP/PUR	black	27.5

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