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

Supplementary automation components from Lapp

Mechanical and plant engineering

Flame-retardant

Halogen-free

Mechanical resistance

Power chain

UV-resistant

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

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 (mm²)	Outer diameter [mm]	Core/outer sheath material	Colour	Copper index [kg/km]
UNITRONIC® SENSOR FD						
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® SENSOR FD - optimized						
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® SENSOR 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