


U.I. Lapp GmbH	PRODUCT INFORMATION	
	NSHXAFÖ 1.8/3 kV	12.09.2012

Halogen-free, flexible single-core rubber cable for public transport and wiring
Arrangements made of single-conductor cables NSHXAFö in accordance with VDE 0250 Part 606 with nominal voltage of at least U0/U: 1.8/3 kV can be used for short circuit-proof and short-to-ground-proof installation up to 1000 V in acc. with VDE 0100 Part 520 and VDE 0298 Part 3



Info

Medium voltage
Halogen-free
Normative rated voltage classes U0/U 0.6/1 kVac and 3.6/6 kVac available on request

Application range

Wiring of machines, tools, devices, appliances and control cabinets
Railway vehicles, buses, switching stations (short-circuit-proof up to 1000 V), power distributors (short-circuit-proof up to 1000 V)
No direct burial, except of lead-through through fire separations such as sand cups
In ducts, tubes, pipes, conduits and closed installation channels
Bundled or for connection of movable parts

Design

Fine copper wire strands
Core insulation: halogen-free rubber compound type 3GI3, according to DIN VDE 0207-20
Outer sheath: halogen-free HM3 polymer compound according to DIN VDE 0250-606, in black, other colours available on request
No outer sheath

Approvals (Norm references)

The "CE" mark is forbidden as the normative nominal voltage U0/U = 1.8/3 kVac falls outside low voltage as defined by the EC Low Voltage Directive 2006/95/EC, which is the standard to which the "CE" mark on most of the cables that we sell refers


Product features

Halogen-free: to protect human life and valuable assets in the event of a fire, through low smoke density and low amount of corrosive gases
Flame-retardant according to IEC 60332-1-2

Remark

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.
Copper price basis: EUR 150/100kg. Refer to Appendix T17 for the definition and calculation of copper-related surcharges.
Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths
Packaging size: coil ≤ 30 kg or ≤ 250 m, otherwise drum
Please specify the preferred type of packaging (e.g. 1 x 500 m drum or 5 x 100 m coils).
Photographs are not to scale and do not represent detailed images of the respective products.

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Technical Data

Approvals:	VDE 0250 Part 606
Conductor stranding:	Fine wire according to VDE 0295 Class 5/ IEC 60228 Class 5
Minimum bending radius:	Flexible use: 10 x outer diameter Fixed installation: 6 x outer diameter
Nominal voltage:	U ₀ /U: 1.8/3 kV
Test voltage:	6000 V
Temperature range:	Flexing: -5°C to +90°C Fixed installation: -25°C to +90°C

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Part number	Conductor cross-section (mm ²)	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
3022673	1,5	7.0	14.4	60
3022674	2,5	7,5	24.0	70
3022675	4	9.0	38.4	90
3022676	6	9,5	57.6	120
3022677	10	11.0	96.0	180
3022678	16	13.0	153.6	250
3022679	25	15.0	240.0	390
3022680	35	16,5	336.0	470
3022681	50	18.0	480.0	625
3022682	70	20,5	672.0	880
3022683	95	24.0	912.0	1190
3022684	120	26.0	1152.0	1430
3022685	150	28.0	1440.0	1750
3022686	185	31.0	1776.0	2160
3022687	240	34,5	2304.0	2718
3022688	300	38.0	2880.0	3470