


U.I. Lapp GmbH	PRODUCT INFORMATION	
	NSSHÖU	12.09.2012

Mechanically robust rubber cable for mining and surface mining
 For use at very high mechanical stress
 Single-core design suitable for robust connection cables for welding equipment



Info

High mechanical strength

Application range

For mining as well as surface mining
 Connection for moving equipment and machinery
 Under extreme environmental conditions
 Suitable for outdoor use, as well as in dry and damp interiors

Design

Fine-wire strand made of tinned-copper wires
 Core insulation: rubber compound type 3GI3
 Inner sheath: rubber-compound, type GM1b or 5GM5
 Outer sheath: rubber compound, type 5GM5

Product features

Flame-retardant according to IEC 60332-1-2
 Oil-resistant according to EN 60811-2-1
 High notch resistance
 Abrasion-resistant

From a normative perspective, NSSHÖU is not generally antistatic per se, i.e. in concrete terms it has no antistatic outer sheath: similarly to capacitors, cables can be unintentionally electrically charged at the surface of their outer sheaths, which may cause sudden discharges and dust explosions. This may, in turn, cause other explosive substances located in the vicinity to also explode. This issue may apply to some mines

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 \leq 30 kg or \leq 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.

Product Management	Document: LAPP_PRO58EN.pdf	1 / 3
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Technical Data

Core identification code:	Up to 5 cores: colour-coded according to VDE 0293-308, refer to Appendix T9 From 6 cores: black with white numbers
Approvals:	VDE 0250 Part 812
Specific insulation resistance:	> 1 GOhm x cm
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: 5 x outer diameter
Nominal voltage:	U ₀ /U: 600/1000 V
Test voltage:	3000 V
Protective conductor:	G = with GN-YE protective conductor X = without protective conductor
Current rating:	According to VDE 0298 Part 4, Table 15
Temperature range:	Flexible use: -25°C to +90°C Fixed installation: -40°C to +90°C

Product Management	Document: LAPP_PRO58EN.pdf	2 / 3
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NSSHÖU

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Part number	Number of cores and mm ² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
NSSHÖU-O				
1600500	1 X 16	10,9	153.6	260
1600501	1 X 25	13,3	240.0	390
1600502	1 X 35	14,4	336.0	500
1600503	1 X 50	16,7	480.0	680
1600504	1 X 70	18,9	672.0	900
1600505	1 X 95	21.0	912.0	1150
1600506	1 X 120	23,3	1152.0	1440
1600507	1 X 150	25,2	1440.0	1750
1600508	1 X 185	28,4	1776.0	2180
1600509	1 X 240	31,4	2304.0	2790
NSSHÖU-J				
1600516	3 G 1,5	11,8	43.2	200
16005243	4 G 1,5	12,7	57.6	230
16005333	5 G 1,5	13,6	72.0	280
1600517	3 G 2,5	13,2	72.0	260
16005253	4 G 2,5	15,4	96.0	360
16005343	5 G 2,5	16,5	120.0	420
1600541	7 G 2,5	20.0	168.0	600
1600544	12 G 2,5	26.0	288.0	860
16005263	4 G 4	16,9	153.6	470
16005353	5 G 4	18,2	192.0	550
16005273	4 G 6	18,3	230.4	580
16005363	5 G 6	20,6	288.0	740
16005283	4 G 10	22,3	384.0	950
16005373	5 G 10	24,1	480.0	1100
16005293	4 G 16	26,1	614.0	1400
16005383	5 G 16	28,3	768.0	1720
16005303	4 G 25	31,2	960.0	2000
16005313	4 G 35	34,1	1344.0	2700
16005323	4 G 50	41.0	1920.0	3700