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# Zavaruvacki kabli so obvivka od neopren

## Welding cables with neophren sheet



Made in Electrolux



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## H01N2-D welding cables (NSLFFöu).

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### APPLICATIONS

They are used between the welding generator and the hand-electrode and the workpiece. They are flexible and resistant to mechanical stress in oil, ozon, oxygen and in petrol. They are resistant to all weather conditions.

### CABLE STRUCTURE

**Cores** : stranded of copper wires , according to DIN VDE 0295 and HD 383.  
**Inner coating** : of polyester or paper tape.  
**Outer sheath** : of neoprene EM 5, black colour, flame extinguishing according to DIN VDE 0472 part 804 and IEC 332-1, resistant to oil according to DIN VDE 0472.

### ΤΕΧΝΙΚΕΣ ΠΛΗΡΟΦΟΡΙΕΣ

**Specifications:**  
 DIN VDE 0282 part 6 according to HD 22.6 S2.  
**Temperature range** :  
 Flexing : from -25°C to +80°C.  
 Fixed installation: from -40°C to +80°C.  
**Nominal voltage** : 100 V  
**Core resistance** : according to HD 383 cl. 6 .

CE= The above mentioned cables are conformed with the Low Voltage Directive 73/23 EEC, 93/68 EEC.

CORESx CROSS-SEC. IN mm²	APPROXIMATELY			
	WIRES NUMBER x SINGLE WIRE IN mm	OUTER DIAMETER Ø mm	COPPER WEIGHT Kg/Km	CABLE WEIGHT Kg/Km
1x10	320 x 0.2	7.7 – 9.7	96.0	135
1x16	512 x 0.2	8.8 – 11.0	154.0	205
1x25	800 x 0.2	10.1 – 12.7	240.0	302
1x35	1120 x 0.2	11.4 – 14.2	336.0	420
1x50	1600 x 0.2	13.2 – 16.5	480.0	586
1x70	2240 x 0.2	15.3 – 19.2	672.0	798
1x95	3024 x 0.2	17.1 – 21.4	912.0	1015
1x120	614 x 0.5	19.2 – 24.6	1152.0	1310
1x150	765 x 0.5	21.2 – 26.4	1440.0	1620
1x185	944 x 0.5	23.1 – 28.9	1776.0	1916
1x240	1 225 x 0.5	26.0 – 29.5	2304.0	2540

# H05RR-F cable with outer sheath of rubber .

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APPLICATIONS	
They are used for connecting electrical appliances . They are also used for medium mechanical stress .	
CABLE STRUCTURE	TECHNICAL DATA
<p><b>Cores :</b> stranded of tinned copper wires or of bare copper wires according to DIN VDE 0295 cl.5 .</p> <p><b>Core insulation :</b> of rubber EI4 .</p> <p><b>Cores</b> stranded in layers .</p> <p><b>Colour code :</b> colour coded according to DIN VDE 0293.</p> <p><b>Outer sheath :</b> of rubber EM 3 according to DIN VDE 0282 part 1, colour black.</p>	<p><b>Specifications :</b> Cables with rubber insulation according to DIN VDE 0282 part 4 to HD 22.4 S3.</p> <p><b>Temperature range :</b> from -30°C to +60°C.</p> <p><b>Nominal volatge :</b> U<sub>0</sub>/U 300/500 V</p> <p><b>Minimum bending radius :</b> 7.5 x cable Ø .</p>

CE= The above mentioned cables are conformed with the Low Voltage Directive 73/23 EEC, 93/68 EEC.

CORES x CROSS-SEC. IN mm²	APPROXIMATELY		
	OUTER DIAMETER Ø mm	COPPER WEIGHT Kg/Km	CABLE WEIGHT Kg/Km
2x0.75	6.0 - 8.2	14.4	60.0
2x1	6.6 - 8.8	19.0	72.0
2x1.5	8.0 - 10.5	29.0	98.0
2x2.5	9.5 - 12.5	48.0	145.0
3x0.75	6.5 - 8.8	21.6	74.0
3x1	7.0 - 9.2	29.0	85.0
3x1.5	8.6 - 11.0	43.0	120.0
3x2.5	10.0 - 13.0	72.0	170.0
3x4	11.5 - 14.5	115.0	260.0
3x6	13.5 - 18.5	173.0	361.0

CORES x DIAMETER IN mm²	APPROXIMATELY		
	OUTER DIAMETER Ø mm	COPPER WEIGHT Kg/Km	CABLE WEIGHT Kg/Km
4x0.75	7.1 - 9.6	29.0	78.0
4x1	7.6 - 10.0	38.0	98.0
4x1.5	9.6 - 12.5	58.0	150.0
4x2.5	11.0 - 14.0	96.0	220.0
4x4	13.0 - 16.5	154.0	340.0
4x6	15.0 - 20.5	230.0	462.0
5x0.75	8.0 - 11.0	36.0	99.0
5x1	8.5 - 11.5	48.0	134.0
5x1.5	10.5 - 13.5	72.0	180.0
5x2.5	12.5 - 15.5	120.0	270.0



## H07RN-F cables with outer sheath of neoprene .

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### APPLICATIONS

They are used for connecting electrical appliances. They are recommended for industrial and agricultural applications of medium mechanical stress conditions. These cables are resistant to all weather conditions and can be used into the water (salted or not). They are resistant to ozon, according to DIN VDE 0472 part 805. Flame retardant according to IEC 60332-1.

### CABLE STRUCTURE

**Cores :** multicore of copper wires , according to DIN VDE 0295 cl.5 and HD 383.  
**Core insulation :** of rubber EI4 , with insulation thickness according DIN VDE 0282 part 4.  
**Colour code :** up to 5 cores colour code according to DIN VDE 0293. For cables with 7 cores and more black cores with white numbering. Yellow green earth core in the outer layer .  
**Outer sheath :** of neoprene, in black colour , wall thickness according to DIN VDE 0282 part 4.

### TECHNICAL DATA

**Specifications :**  
 DIN VDE 0282 part 4 κατά HD 22.4 S3,  
 IEC 60245-4.  
**Temperature range :**  
 from -30°C to +60°C.  
**Nominal voltage :** U<sub>0</sub>/U 450/750 V  
**Minimum bending radius :** 7.5 x cable Ø .  
**Permanent tensile load :** 15N/mm<sup>2</sup> max..

CE= The above mentioned cables are conformed with the Low Voltage Directive 73/23 EEC, 93/68 EEC.

CORES x CROSS-SEC. IN mm <sup>2</sup>	APPROXIMATELY		
	OUTER DIAMETER Ø mm	COPPER WEIGHT Kg/Km	CABLE WEIGHT Kg/Km
1x1.5	5.7 - 7.1	14.4	50
1x2.5	6.3 - 7.9	24.0	66
1x4	7.2 - 9.0	38.0	94
1x6	7.9 - 9.8	58.0	109
1x10	9.5 - 11.9	96.0	182
1x16	10.8 - 13.4	154.0	256
1x25	12.7 - 15.8	240.0	369
1x35	14.3 - 17.9	336.0	482
1x50	16.5 - 20.6	480.0	662
1x70	18.6 - 23.3	672.0	895
1x95	20.8 - 26.0	912.0	1160
1x120	22.8 - 28.6	1152.0	1430
1x150	25.2 - 31.4	1440.0	1740

CORES x CROSS-SEC. IN mm <sup>2</sup>	APPROXIMATELY		
	OUTER DIAMETER Ø mm	COPPER WEIGHT Kg/Km	CABLE WEIGHT Kg/Km
1x185	27.6 - 34.4	1776.0	2160
1x240	30.6 - 38.3	2304.0	2730
1x300	33.5 - 41.9	2880.0	3480
1x400	37.4 - 46.8	3840.0	4510
1x500	41.3 - 52.0	4800.0	5700
2x1	7.7 - 10.0	19.0	99
2x1.5	8.5 - 11.0	29.0	111
2x2.5	10.2 - 13.1	48.0	161
2x4	11.8 - 15.1	77.0	238
2x6	13.1 - 16.8	115.0	279
2x10	17.7 - 22.6	192.0	538
2x16	20.2 - 25.7	307.0	744



## H07RN-F cable with outer sheath of neoprene .

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CORES x CROSS-SEC. IN mm <sup>2</sup>	APPROXIMATELY		
	OUTER DIAMETER Ø mm	COPPER WEIGHT Kg/Km	CABLE WEIGHT Kg/Km
2x25	24.3 - 30.7	480.0	1074
3x1	8.3 - 10.7	29.0	117
3x1.5	9.2 - 11.9	43.0	134
3x2.5	10.9 - 14.0	72.0	195
3x4	12.7 - 16.2	115.0	290
3x6	14.1 - 18.0	173.0	346
3x10	19.1 - 24.2	288.0	663
3x16	21.8 - 27.6	461.0	924
3x25	26.1 - 33.0	720.0	1345
3x35	29.3 - 37.1	1008.0	1760
3x50	34.1 - 42.9	1440.0	2390
3x70	38.4 - 48.3	2016.0	3110
3x95	43.3 - 54.0	2736.0	4170
3x120	47.4 - 60.0	3456.0	5080
3x150	52.0 - 66.0	4320.0	6220
3x185	57.0 - 72.0	5328.0	7730
3x240	65.0 - 82.0	6192.0	9780
3x300	72.0 - 90.0	8640.0	12620
4G1	9.6 - 12.0	38.0	144
4G1.5	10.2 - 13.1	58.0	165
4G2.5	12.5 - 15.5	96.0	245
4G4	14.0 - 18.0	154.0	357
4G6	15.7 - 20.0	230.0	443
4G10	20.8 - 26.5	384.0	818
4G16	23.8 - 30.1	614.0	1150
4G25	28.9 - 36.6	1344.0	1700

CORES x DIAMETER IN mm <sup>2</sup>	APPROXIMATELY		
	OUTER DIAMETER Ø mm	COPPER WEIGHT Kg/Km	CABLE WEIGHT Kg/Km
4G35	32.5 - 41.1	1920.0	2180
4G50	37.7 - 47.5	2688.0	3030
4G70	42.7 - 54.0	3648.0	3990
4G95	48.4 - 61.0	4608.0	5360
4G120	53.0 - 66.0	5760.0	6500
4G150	58.0 - 73.0	7104.0	7990
4G185	64.0 - 80.0	9216.0	9910
4G240	72.0 - 91.0	11520.0	13120
5G1.5	11.2 - 14.4	72.0	238
5G2.5	13.3 - 17.0	120.0	297
5G4	15.6 - 19.9	192.0	453
5G6	17.5 - 22.2	288.0	557
5G10	22.9 - 29.1	480.0	1001
5G16	26.4 - 33.3	768.0	1430
5G25	32.0 - 40.4	1200.0	2096
7G2.5	16.5 - 20.0	168.0	520
12G1.5	17.6 - 22.4	175.0	460
12G2.5	20.6 - 26.2	288.0	760
19G1.5	20.7 - 26.3	274.0	810
24G1.5	24.3 - 30.7	346.0	1015
24G2.5	28.8 - 36.4	576.0	1390

For cross-sections that are not mentioned on the above board, please contact our company .



For cable accessories there is a special catalogue.



# NSGAFÖU 3kV



## APPLICATIONS

They are used for protection against short circuits in installations that water-tightness is important, as in rail vehicles and omnibuses. Suitable for laying in dry environment.

## CABLE STRUCTURE

**Core:** stranded of tinned copper wires according to DIN VDE 0295 cl. 5 and IEC 60228.  
**Inner insulation :** of EPR 3GI3.  
**Outer insulation :** of polychloroprene , in black colour.

## TECHNICAL DATA

**Temperature range :**  
 Flexing of -25°C to +80°C  
 Fixed installation of -40°C to +80°C  
**Nominal voltage :** U<sub>0</sub>/ U 1,8/ 3kV  
**Minimum bending radius :** 5x cable Ø.

CROSS-SECTION IN mm <sup>2</sup>	APPROXIMATELY		
	OUTER DIAMETER Ø mm	COPPER WEIGHT Kg/ Km	CABLE WEIGHT Kg/ Km
1x1.5	5.80	14.50	62.30
1x2.5	6.40	24.10	75.90
1x4	7.00	38.20	95.20
1x6	7.60	57.80	141.00
1x10	9.10	96.30	190.50
1x16	9.90	153.70	270.80
1x25	12.20	240.20	411.00
1x35	13.40	335.60	490.40
1x50	14.70	479.90	650.60
1x70	16.50	672.10	900.00
1x95	19.00	911.70	1201.00
1x120	22.00	1152.10	1450.80
1x150	24.50	1440.20	1800.50
1x185	25.00	1775.70	2200.00
1x240	36.00	2304.20	2651.00



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## NSHTÖU drum cables with VDE approvals .



APPLICATIONS	
<p>They are used as connecting cables and control cables on cranes, in mines e.t.c. and in all applications with frequent winding and unwinding with simultaneous tensile and torsional stress.,as the safest cable for winding in drum .They are resistant to all weather conditions , also in ozon ,fats,oils,solvent and chemical.</p>	
CABLE STRUCTURE	TECHNICAL DATA
<p><b>Cores:</b> stranded of tinned copper wires , according to DIN VDE 0295 cl.5 and IEC 60228 cl.5.  <b>Core insulation :</b> of rubber GI 1, according to DIN GI 1 ,κατά DIN VDE 0207 part 20.  <b>Colour code :</b> up to 5 cores colour code according to DIN VDE 0293 . For cables with 6 cores and more black cores with white numbering. Yellow-green earth core in the outer layer.  <b>Wrapping :</b> textile tape  <b>Outer sheath :</b> of neoprene 5GM2 according to DIN VDE 0207 part 21, black colour .</p>	<p><b>Specifications :</b>  DIN VDE 0250 part 814.  <b>Temperature range :</b>  Flexing : from -30°C to +70°C.  Fixed installation : of -40°C to +70°C.  <b>Nominal voltage :</b> U<sub>0</sub>/U 0.6 / 1 KV .  <b>Minimum bending radius :</b> 7.5 x cable Ø</p>

CE= The above mentioned cables are conformed with the Low Voltage Directive 73/23 EEC, 93/68 EEC.

CORES x CROSS-SEC. IN mm²	APPROXIMATELY		
	OUTER DIAMETER Ø mm	COPPER WEIGHT Kg/Km	COPPER WEIGHT Kg/Km
4x1.5	14.0	58.0	274
5x1.5	14.5	81.0	316
7x1.5	18.8	115.0	440
12x1.5	21.0	196.0	606
16x1.5	24.5	259.0	696
18x1.5	25.5	271.0	750
24x1.5	27.5	390.0	1150
3x2.5	15.3	74.0	305
4x2.5	16.5	98.0	350
5x2.5	17.5	124.0	465
7x2.5	20.0	168.0	576
12x2.5	23.5	308.0	850
18x2.5	28.0	451.0	1181
24x2.5	32.5	615.0	1550

CORESx CROSS-SEC. ΣE mm²	APPROXIMATELY		
	OUTER DIAMETER Ø mm	COPPER WEIGHT Kg/Km	CABLE WEIGHT Kg/Km
30x2.5	34.0	770.0	1810
4x4	18.5	158.0	510
5x4	21.5	220.0	635
4x6	21.0	241.0	650
5x6	23.5	317.0	800
4x10	26.0	404.0	1010
5x10	28.0	508.0	1200
4x16	29.0	642.0	1300
5x16	31.5	768.0	1700
4x25	35.0	1005.0	2000
4x35	37.5	1344.0	2610
4x50	44.5	2010.0	3500
4x70	49.0	2688.0	4600
4x95	56.0	3648.0	6100



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