



Електролуks
Electrolux

Kontrolni kabli

Control cables



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V.O.P. – 2S lift & hoist control cables.



APPLICATIONS	
<p>These cables are used as control and feeder cables in cranes and conveyor systems. The external steel support cables can be dismantled without damaging, the cable insulation.</p>	
CABLE STRUCTURE	TECHNICAL DATA
<p>Cores : bare copper fine wire conductors according to DIN VDE 0295 cl5 and IEC 60228 cl. 5. Core insulation : from special PVC . Cores stranded in layers. Colour code: black cores with white numbering. Contains green-yellow earth core . Outer sheath : from PVC, black colour. Self - extinguishing according to IEC 60332-1. Two steel support wires in the outer sheath.</p>	<p>Specifications : Self support control cables from special PVC according to DIN VDE 0250. Temperature range : Flexing from -5°C to $+40^{\circ}\text{C}$. Fixed installation from -40°C to $+70^{\circ}\text{C}$. Nominal voltage : U_0/U 300/500V. Insulation resistance : $20\text{M}\Omega \times \text{km}$ minimum. Minimum bending radius : Flexing $10x$ cable \emptyset</p>

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

CORES x CROSS-SEC. IN mm ²	APPROXIMATELY		
	OUTER DIAMETER \emptyset mm	COPPER WEIGHT Kg/Km	CABLE WEIGHT Kg/Km
12x1	14.8 x 27.3	116	437
18x1	16.9 x 32.4	171	532
25x1	21.1 x 35.9	241	668
30x1	21.8 x 40.1	289	775
8x1.5	14.8 x 27.5	116	432
12x1.5	16.7 x 31.8	173	513
20x1.5	21.4 x 35.9	289	724
24x1.5	22.3 x 37.8	345	833

H05VV5-F flexible, control cable with VDE approval (NYSLYÖ-JZ)



APPLICATIONS

For use as measuring and control cables in tool machineries, air-conditioners, conveyor belts and as connecting cables to machines. The above cables have been manufactured and tested according to DIN VDE 0250 part 405 and HD 21.13 S1. They are totally oil and chemical resistant, self-extinguishing and flame retardant to IEC 60332.1. They are recommended for medium mechanical stresses in indoor environments.

CABLES STRUCTURE

Cores : bare copper, fine stranded wire conductors to DIN VDE 0295 cl.5 and IEC 60228 cl.5.
Core insulation : from PVC TI2, according to DIN VDE 281 part 1.
Cores stranded in layers .
Core code: black with white numbering according to DIN VDE 0293. All cables from 3 cores and above contain green - yellow earth core in the outer layer.
Outer sheath : PVC TM2, grey colour RAL 7001 self-extinguishing and flame retardant according to DIN VDE 0472 part 804 and IEC 60332-1.

TECHNICAL DATA

Specifications:
 Control cables from special PVC, according to DIN VDE 0250 part 405 HD 21.13S1.
Temperature range :
 Flexing from -5°C to +70°C.
 Fixed installation from -40°C to +70°C .
Nominal voltage : U₀/U 300/500V.
Insulation resistance : 20MΩ x km min.
Minimum bending radius: 7,5 x cable Ø minimum.

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

CORES x CROSS-SEC. IN mm²	APPROXIMATELY		
	OUTER DIAMETER IN mm	COPPER WEIGHT Kg/Km	CABLE WEIGHT Kg/Km
3G0.5	6.2	14.4	60
4G0.5	6.8	19.2	65
5G0.5	7.4	24.0	86
7G0.5	9.4	33.6	118
12G0.5	11.5	58.0	165
18G0.5	13.6	86.0	184
25G0.5	16.5	120.0	258
27G0.5	16.9	130.0	360
34G0.5	19.0	163.0	370
36G0.5	19.3	172.0	486
41G0.5	21.3	196.0	575
50G0.5	22.2	240.0	660
61G0.5	23.8	293.0	785

CORES x CROSS-SEC. IN mm²	APPROXIMATELY		
	OUTER DIAMETER IN mm	COPPER WEIGHT Kg/Km	CABLE WEIGHT Kg/Km
65G0.5	25.7	312.0	823
3G0.75	6.7	21.6	65
4G0.75	7.3	28.8	79
5G0.75	8.3	36.0	105
7G0.75	9.7	50.4	145
10G0.75	11.9	68.0	196
12G0.75	12.5	86.0	242
18G0.75	14.4	130.0	315
25G0.75	17.9	180.0	450
27G0.75	18.2	194.0	495
34G0.75	20.3	245.0	615
36G0.75	20.6	259.0	640

H05VV5-F flexible , control cable with VDE approval (NYSLYÖ-JZ).

CORES x CROSS-SEC. IN mm²	APPROXIMATELY		
	OUTER DIAMETER IN mm	COPPER WEIGHT Kg/Km	CABLE WEIGHT Kg/Km
41G0.75	21.3	296.0	715
50G0.75	23.6	360.0	890
61G0.75	26.0	439.0	1020
65G0.75	27.5	468.0	1079
3G1	7.0	29.0	75
4G1	7.8	38.4	100
5G1	8.9	48.0	121
7G1	10.4	67.0	180
10G1	12.8	96.0	245
12G1	13.1	115.0	268
16G1	15.2	154.0	365
18G1	15.9	173.0	400
25G1	19.2	240.0	546
27G1	19.6	260.0	585
34G1	21.9	326.0	725
36G1	22.0	346.0	770
41G1	22.5	394.0	830
50G1	25.9	480.0	1045
61G1	28.1	586.0	1254
65G1	28.6	624.0	1325
3G1.5	7.8	43.0	95
4G1.5	8.7	58.0	126
5G1.5	9.6	72.0	152

CORES x CROSS-SEC. IN mm²	APPROXIMATELY		
	OUTER DIAMETER IN mm	COPPER WEIGHT Kg/Km	CABLE WEIGHT Kg/Km
7G1.5	11.7	101.0	225
10G1.5	13.5	140.0	298
12G1.5	14.2	173.0	330
16G1.5	16.0	230.0	439
18G1.5	17.1	259.0	500
25G1.5	21.0	360.0	695
27G1.5	21.7	389.0	720
32G1.5	22.4	461.0	860
34G1.5	23.9	490.0	915
36G1.5	24.3	518.0	940
41G1.5	26.1	590.0	1085
50G1.5	27.8	720.0	1370
61G1.5	29.9	878.0	1635
3G2.5	9.7	72.0	150
4G2.5	10.9	96.0	205
5G2.5	11.9	120.0	240
7G2.5	14.3	168.0	345
12G2.5	17.9	288.0	540
18G2.5	21.5	432.0	800
25G2.5	26.0	600.0	1150
34G2.5	29.1	816.0	1520
50G2.5	34.8	1200.0	2185
61G2.5	37.0	1464.0	2630

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



For cable accesories there is a special catalogue .



12G1	16.4	185.0	428
16G1	17.8	235.0	520
18G1	19.1	258.0	599
20G1	20.0	300.0	640
25G1	22.5	365.0	790
27G1	22.8	375.0	835
34G1	25.2	460.0	1050
40G1	27.0	586.0	1125
44G1	28.1	625.0	1198

7G2.5	15.9	255.0	480
12G2.5	20.6	468.0	760
18G2.5	24.9	620.0	1052
25G2.5	29.0	897.0	1450
30G2.5	30.6	1030.0	1685
34G2.5	33.0	1050.0	1892
40G2.5	36.0	1325.0	2270
34G2.5	33.0	1050.0	1892
40G2.5	36.0	1325.0	2270

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