



HALLEY CABLES

NYSLYÖ -JZ/OZ (H05VV5-F) 70° C

Control Cables 300/500 V

PVC insulated, oil resistant, PVC sheathed cable



Construction:

Conductor	: flexible copper wires, class 5.
Insulation	: PVC compound, TI2.
Core identif.	: according to DIN EN 50334 black cores with white numerals with green/yellow from 3 cores.
Lay-up	: cores laid up in layers of optimum pitch.
Outer sheath	: PVC compound, TM5, oil and flame resistant.
Sheath colour	: RAL 7001, grey.

Technical data and tests:

Rated voltage U _o /U	: 300/500 V.
Test voltage (AC 50 Hz)	: 2000 V.
Temperature range	: operation : - 40° C ~ + 70° C; installation : - 5° C ~ + 70° C.
Insulation resistance	: min. 20 MΩ/km.
Min. bending radius	: fixed : 4 x D. mobile : 12,5 x D.

Standards:

Design	: HD 21.13 S1, DIN VDE 0281-13.
Conductor	: IEC 60228 class 2, DIN EN 60228 class 2.
Flame retardance	: IEC 60332-1 & EN 50265-2-1.
Oil resistance	: IEC 60811-2-1.

Applications:

These oil and flame resistant, flexible, connecting cables are used in mechanical engineering for instrumentation and control equipment, in tooling machinery, production lines and flexible applications which require free movement without tensile load in dry, moist and wet rooms. These cables should not be used for outdoor or underground installation.

Any other construction available upon request.



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DIMENSIONS

No. of cores x cross section mm ²	Approx. outer diameter mm	Copper weight kg/km	Approx. cable weight kg/km
0,50 mm ²			
2x0,50-OZ	6,0	10	48
3G0,50	6,4	14	55
4G0,50	7,0	19	65
5G0,50	7,6	24	80
7G0,50	9,2	34	115
10G0,50	10,9	48	165
12G0,20	11,5	58	175
16G0,50	12,7	67	220
18G0,50	13,6	87	250
21G0,50	14,3	101	280
24G0,50	15,4	115	330
25G0,50	15,7	120	345
30G0,50	17,8	144	415
34G0,40	19,1	163	475
36G0,50	19,5	173	490
40G0,50	20,2	192	540
42G0,50	21,0	202	565
48G0,50	21,6	230	615
50G0,50	22,4	240	650
52G0,50	22,4	250	675
60G0,50	23,6	288	750
0,75 mm ²			
2x0,75-OZ	6,4	14	55
3G0,75	6,7	22	60
4G0,75	7,5	29	75
5G0,75	8,5	36	100
7G0,75	9,7	50	140
10G0,75	11,8	72	190
12G0,75	12,2	86	215
16G0,75	13,5	101	275
18G0,75	14,3	130	305
21G0,75	16,0	151	370
24G0,75	17,3	173	410
25G0,75	17,7	180	425
30G0,75	18,8	216	500
34G0,75	20,3	245	590
36G0,75	20,9	260	605
40G0,75	22,0	288	640
42G0,75	22,3	303	670
48G0,75	23,8	345	770
50G0,75	24,4	360	805
52G0,75	25,0	374	840
60G0,75	26,8	432	985

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1,0 mm ²			
2x1,0-OZ	6,7	19	60
3G1,0	7,2	29	70
4G1,0	7,8	38	95
5G1,0	9,1	48	120
7G1,0	9,9	67	150
10G1,0	12,4	96	240
12G1,0	13,3	116	250
16G1,0	14,8	134	330
18G1,0	15,5	173	385
21G1,0	17,4	201	450
24G1,0	18,4	230	515
25G1,0	19,3	240	535
30G1,0	20,4	288	615
34G1,0	21,7	326	700
36G1,0	22,1	346	730
40G1,0	23,6	385	820
42G1,0	24,2	404	860
48G1,0	24,8	460	960
50G1,0	25,3	480	990
52G1,0	26,4	499	1030
60G1,0	27,8	576	1150
1,5 mm ²			
2x1,5-OZ	7,4	29	70
3G1,5	7,9	43	90
4G1,5	9,0	58	125
5G1,5	10,0	72	155
7G1,5	11,1	101	200
10G1,5	13,7	144	300
12G1,5	14,2	174	325
16G1,5	16,2	201	430
18G1,5	17,1	260	505
21G1,5	18,4	302	580
24G1,5	20,5	345	655
25G1,5	20,8	360	690
30G1,5	21,7	432	790
34G1,5	23,2	489	920
36G1,5	23,5	519	935
40G1,5	24,6	577	1040
42G1,5	25,2	606	1095
48G1,5	27,0	690	1230
50G1,5	27,9	720	1320
52G1,5	29,0	749	1355
60G1,5	30,6	864	1560

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No. of cores x cross section mm ²	Approx. outer diameter mm	Copper weight kg/km	Approx. cable weight kg/km
2,5 mm ²			
2x2,5-OZ	9,2	48	100
3G2,5	9,8	72	145
4G2,5	11,2	96	195
5G2,5	12,1	120	235
7G2,5	13,2	168	300
10G2,5	16,8	240	460
12G2,5	17,8	288	525
16G2,5	20,6	384	715
18G2,5	21,5	432	770
21G2,5	23,2	504	910
24G2,5	25,0	576	970
25G2,5	25,6	600	1100
30G2,5	26,9	720	1250
34G2,5	27,9	816	1430
36G2,5	28,7	864	1510
40G2,5	35,8	960	1675
42G2,5	31,4	1008	1720
48G2,5	33,5	1152	2000
50G2,5	34,2	1200	2075
52G2,5	34,6	1248	2150
60G2,5	37,2	1440	2500

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