



HALLEY CABLES

YSLYCY 70° C

Control Cables 300/500 V

PVC insulated, screened, PVC sheathed cable



Construction:

- Conductor : stranded 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.
- Inner sheath : PVC compound, RAL 7001, grey.
- Screen : braid of tinned copper wires, 85% coverage.
- Outer sheath : PVC compound, TM2.
- Sheath colour : RAL 7001, grey or transparent.

Technical data and tests:

- Rated voltage : 300/500 V.
- Test voltage : 4000 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.

EMC* - electromagnetic compatibility.

Standards:

- Design : HD 21.13 S1, DIN VDE 0281-13.
VDE 0245-102 (designed according to).
- Conductor : IEC 60228 class 2, DIN EN 60228 class 2.
- Flame retardance : IEC 60332-1 & EN 50265-2-1.

Applications:

These screened flexible connecting cables are more thinner and lighter than other screened control cables. They are used in mechanical engineering for instrumentation and control equipment, for tooling machinery, production lines and flexible applications for free movement without tensile load, in dry, moist and wet rooms. The screen above the inner sheath protects against external interference pulses and ensures an interference-free transmission. These cables are not 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			
2x0.50-OZ	6,9	32	65
3G0.50	7,2	38	70
4G0.50	7,9	45	90
5G0.50	8,3	50	100
7G0.50	8,8	70	125
12G0.50	11,2	100	180
18G0.50	13,2	135	275
21G0,50	13,9	160	315
25G0.50	15,4	190	355
34G0.50	17,3	235	460
42G0,50	18,7	350	550
50G0.50	20,0	390	680
61G0.50	21,5	475	780
0,75			
2x0.75-OZ	7,4	40	80
3G0.75	7,9	45	95
4G0.75	8,4	56	110
5G0.75	9,0	70	125
7G0.75	9,7	85	150
12G0.75	11,9	135	225
18G0.75	14,5	170	340
21G0.75	15,4	220	405
25G0.75	16,6	270	475
34G0.75	18,8	350	610
42G0.75	20,4	440	715
50G0.75	22,0	530	875
61G0.75	23,5	620	1050
1,0			
2x1.0-OZ	8,0	45	90
3G1.0	8,2	56	105
4G1.0	8,7	68	125
5G1.0	9,5	80	145
7G1.0	10,3	110	175
12G1.0	13,0	150	285
18G1.0	15,6	220	415
21G1.0	16,2	245	470
25G1.0	17,4	325	535
34G1.0	19,9	435	715
42G1.0	21,8	555	870
50G1.0	23,5	650	975
61G1.0	25,3	750	1320

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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
1,5			
2x1.5-OZ	8,5	60	115
3G1.5	8,9	75	130
4G1.5	9,7	89	155
5G1.5	10,5	109	185
7G1.5	13,3	135	225
12G1.5	14,3	240	365
18G1.5	17,3	300	535
21G1.5	18,0	385	635
25G1.5	19,4	445	730
34G1.5	22,3	650	925
42G1.5	24,9	760	1150
50G1.5	26,5	895	1350
61G1.5	28,6	1070	1680
2,5			
2x2.5-OZ	9,9	75	130
3G2.5	10,5	110	180
4G2.5	11,4	135	220
5G2.5	12,8	160	280
7G2.5	13,7	210	345
12G2.5	17,9	320	570
18G2.5	20,8	490	830
25G2.5	24,6	775	1150
34G2.5	28,0	990	1475
42G2,5	29,4	1090	1790
>2,5			
3G4	12,2	210	320
4G4	13,2	240	375
5G4	14,5	280	385
3G6	14,1	270	360
4G6	15,8	310	455
5G6	17,1	400	555
3G10	17,5	440	600
4G10	18,7	490	700
5G10	20,7	650	880
7G10	23,0	700	1370
4G16	21,8	850	1005
4G25	25,9	1200	1480
5G25	29,0	1620	1930
4G35	29,7	1490	1980
5G35	32,9	1820	2450
4G50	34,5	2250	2725
4G70	40,5	2950	3900
4G95	46,4	3975	5050
4G120	51,8	5100	6300

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