YSLY

Control cables

PVC insulated flexible connection cable

Construction:

Conductor : flexible copper wires, plain; IEC 60228 Class 5, DIN EN 60228 Class 5.
Insulation : PVC compound , TI2.
Core identification : according to DIN EN 50334 black cores with white numerals with green/yellow from 3 cores.
JZ - 1 core green/yellow, other cores black with numbers.
OZ - every core black with numbers.
Lay-up : cores laid up in layers of optimum pitch.
Outer sheath : PVC compound, TM2.
Sheath colour : RAL 7001, Grey (to be agreed upon the shade of grey).

Technical data and tests:

Standard : HD 21.13 S1, DIN VDE 0281-13, VDE 0245-102 (designed according to).
Insulation resistance : min. 20 MΩ/km.
Rated voltage Uo/U : 300 / 500 V.
Test voltage (50 Hz) : 2000 V.
Temperature range : fixed : - 40° C ~ + 70° C;
mobile: - 5° C ~ + 70° C.
Min. bending radius : fixed : 4 x D;
mobile: 12.5 x D.
Flame retardance test : IEC 60332-1 & EN 50265-2-1.

Applications:

These flexible connecting cables are more thinner and lighter than the other control cables and are used in mechanical engineering for instrumentation and control equipment, for tooling machinery production lines and flexible applications for free movement without tensile load; and dry, ambitient, wet places. These cables should not be used for outdoor or underground installation.

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HALLEY CABLES

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www.halleycables.com

DIMENSIONS

No. of Cores x Cross Section mm²	Approx. Outer Diameter mm	Copper Weight kg/km	Approx. Cable Weight kg/km
2x0.50 -OZ	4.8	10	35
3G0.50	5.1	14	41
4G0.50	5.5	19	49
5G0.50	6.2	24	60
7G0.50	6.7	34	77
12G0.50	9.1	58	125
18G0.50	10.7	87	182
21G0,50	11,2	101	215
25G0.50	12.6	120	252
34G0.50	13.8	163	330
42G0,50	15,4	202	405
50G0.50	17.2	240	490
61G0.50	18.5	293	538
2x0.75-OZ	5.2	14	42
3G0.75	5.5	22	51
4G0.75	6.2	29	63
5G0.75	6.7	36	78
7G0.75	7.5	50	95
12G0.75	9.8	86	165
18G0.75	11.9	130	240
21G0.75	12.5	151	288
25G0.75	14	180	330
34G0.75	16.3	245	435
42G0.75	17.8	303	562
50G0.75	19.1	360	630
61G0.75	20.7	439	770
2x1.0-OZ	5.6	19	52
3G1.0	6.1	29	65
4G1.0	6.7	38	78
5G1.0	7.5	48	95
7G1.0	8.1	67	120
12G1.0	10.9	116	235
18G1.0	12.9	173	298
21G1.0	13.8	201	366
25G1.0	15.4	240	400
34G1.0	17.9	326	535
42G1.0	19.5	404	706
50G1.0	21	480	775
61G1.0	22.7	585	980
2x1.5-OZ	6.4	29	65
3G1.5	6.8	43	80
4G1.5	7.6	58	102

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DIMENSIONS

No. of Cores x Cross Section mm²	Approx. Outer Diameter mm	Copper Weight kg/km	Approx. Cable Weight kg/km
5G1.5	8.3	72	125
7G1.5	9.2	101	166
12G1.5	12.4	174	272
18G1.5	14.8	260	402
21G1.5	15.6	302	484
25G1.5	17.6	360	555
34G1.5	20.2	489	750
42G1.5	22.2	606	944
50G1.5	23.8	720	1110
61G1.5	25.8	878	1300
2x2.5-OZ	7.6	48	99
3G2.5	8.3	72	128
4G2.5	9	96	159
5G2.5	10.1	120	199
7G2.5	11.2	168	258
12G2.5	15	288	431
18G2.5	18	432	636
25G2.5	21.4	600	841
34G2.5	25	816	1180
42G2,5	26,4	1008	1340
3G4	10,0	115	169
4G4	11,0	154	242
3G6	11,5	172	267
5G4	12,5	192	302
4G6	13,0	230	340
5G6	14,0	288	424
3G10	15,0	288	465
4G10	17,0	384	577
5G10	18,5	480	717
3G16	19,0	460	825
7G10	20,0	672	968
4G16	21,0	614	1022
4G25	23,0	960	1234
5G25	25,5	1200	1522
4G35	26,0	1344	1671
5G35	29,0	1680	2058
4G50	31,0	1920	2360
5G50	34,0	2400	2901
4G70	35,6	2688	3350
5G70	40,2	3360	4010
4G95	41,0	3648	4450
5G95	45,4	4560	5450

IEC CE VDE RoHS PG TSE

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