



HALLEY CABLES

YSLYSY 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.
Armour	: braid of galvanized steel 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.

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 steel wire braided flexible connecting cables are more thinner and lighter than other steel wire braided 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 steel wire braid above the inner sheath acts as an armour and serves as protection against mechanical traverse loads and act as a magnetic screen against interference. The galvanised steel wires are free of corrosion and oxidation. 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	10	65
3G0.50	7,2	14	70
4G0.50	7,9	19	90
5G0.50	8,3	24	100
7G0.50	8,8	34	125
12G0.50	11,2	58	180
18G0.50	13,2	87	275
25G0.50	15,4	120	355
0,75			
2x0.75-OZ	7,4	14	80
3G0.75	7,9	22	95
4G0.75	8,4	29	110
5G0.75	9,0	36	125
7G0.75	9,7	50	150
12G0.75	11,9	86	225
18G0.75	14,5	130	340
25G0.75	16,6	180	475
1,0			
2x1.0-OZ	8,0	19	90
3G1.0	8,2	29	105
4G1.0	8,7	38	125
5G1.0	9,5	48	145
7G1.0	10,3	67	175
12G1.0	13,0	116	285
18G1.0	15,6	173	415
25G1.0	17,4	240	535
1,5			
2x1.5-OZ	8,5	29	115
3G1.5	8,9	43	130
4G1.5	9,7	58	155
5G1.5	10,5	72	185
7G1.5	13,3	101	225
12G1.5	14,3	174	365
18G1.5	17,3	260	535
25G1.5	19,4	360	730

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