



HALLEY CABLES

NLSY 70° C

Control Cables 300 V

PVC insulated, 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. |
| Lay-up | : cores laid up in layers of optimum pitch. |
| Separator | : polyester tape. |
| Outer sheath | : PVC compound, TM2. |
| Sheath colour | : RAL 7001, grey. |

Technical data and tests:

| | |
|---------------------------------|--|
| Rated voltage U ₀ /U | : 300/300 V. |
| Test voltage | : 2000 V. |
| Temperature range | : operation : - 40° C ~ + 70° C; installation : - 5° C ~ + 70° C. |
| Insulation resistance | : min. 20 MΩ/km. |
| Min. bending radius | : fixed : 6 x D. mobile : 15 x D. |

Standards:

| | |
|------------------|--|
| Design | : VDE 0245-201. |
| Conductor | : IEC 60228 class 2, DIN EN 60228 class 2. |
| Flame retardance | : IEC 60332-1 & EN 50265-2-1. |

Applications:

These flexible and reduced diameter cables are used in mechanical engineering for instrumentation and control equipment for tooling machinery production lines and flexible applications for free movement without tensile load. These cables are not used for outdoor or underground installation.

Any other construction available upon request.



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www.halleycables.com

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 | 4,7 | 10 | 30 |
| 3x0,50 | 5,0 | 14 | 35 |
| 4x0,50 | 5,4 | 19 | 45 |
| 5x0,50 | 5,9 | 24 | 55 |
| 7x0,50 | 7,0 | 34 | 75 |
| 12x0,50 | 8,5 | 58 | 115 |
| 18x0,50 | 10,2 | 87 | 165 |
| 25x0,50 | 10,7 | 120 | 225 |
| 0,75 mm ² | | | |
| 2x0,75 | 5,1 | 14 | 33 |
| 3x0,75 | 5,4 | 22 | 40 |
| 4x0,75 | 5,9 | 29 | 50 |
| 5x0,75 | 6,4 | 36 | 65 |
| 7x0,75 | 7,7 | 50 | 95 |
| 12x0,75 | 9,4 | 86 | 140 |
| 18x0,75 | 11,5 | 130 | 215 |
| 25x0,75 | 13,5 | 180 | 305 |
| 1,0 mm ² | | | |
| 2x1 | 5,4 | 19 | 40 |
| 3x1 | 5,7 | 29 | 50 |
| 4x1 | 6,3 | 38 | 65 |
| 5x1 | 6,9 | 48 | 75 |
| 7x1 | 8,2 | 67 | 115 |
| 12x1 | 10,1 | 116 | 170 |
| 18x1 | 11,8 | 173 | 245 |
| 25x1 | 14,6 | 240 | 350 |
| 1,5 mm ² | | | |
| 2x1,5 | 6,4 | 29 | 50 |
| 3x1,5 | 6,8 | 43 | 70 |
| 4x1,5 | 7,6 | 58 | 85 |
| 5x1,5 | 8,5 | 72 | 115 |
| 7x1,5 | 9,8 | 101 | 165 |
| 12x1,5 | 12,0 | 174 | 245 |
| 18x1,5 | 14,5 | 260 | 375 |
| 25x1,5 | 17,6 | 360 | 490 |

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