



Construction:

Conductor : bare copper.
Sheathing material : rubber (CR) EM5.

Technical data and tests:

Rated voltage U₀/U : 100/100 V.
Test voltage : 1 kV.
Max. temperature at conductor : 85° C.
Max. operating temperature, fixed : -20 ~ +85° C.
Protective conductor : no.
Flame retardant : yes.
H01N2-D : cable with normal flexibility.
H01N2-E : cable with high flexibility.

Standards:

Cable : EN 50525-2-81.
Core identification : VDE 0293 (HD308); more than 5 cores: gn-ye + numbers.
Flame retardant : VDE 0482-332-1-2/IEC 60332-1
Oil resistant : EN 660811-2-1.

Applications:

For portable electrode-carriers use. It is crucial to follow the table's data of the user guide CEI 20-40 in merit to the service cycles, the intensities of current and the voltage fall. In order to reduce the effects of the alternating current on the voltage fall, the cables forming the welding circuit must be maintained as close as possible.

| DIMENSIONS | | | | | | | |
|-----------------|-----------|------------|-----|----------------|------|------|------|
| Operation modus | Permanent | Periodical | | | | | |
| Operation cycle | - | 5 min. | | | | | |
| Load factor | 100% | 85% | 80% | 60% | 35% | 20% | 8% |
| Cross-section | | | | Current rating | A | | |
| 10 | 96 | 97 | 98 | 102 | 114 | 137 | 198 |
| 16 | 130 | 132 | 134 | 142 | 166 | 204 | 301 |
| 25 | 173 | 179 | 181 | 196 | 234 | 293 | 442 |
| 35 | 216 | 226 | 229 | 250 | 304 | 384 | 584 |
| 50 | 274 | 287 | 293 | 323 | 398 | 508 | 779 |
| 70 | 341 | 360 | 398 | 409 | 510 | 655 | 1011 |
| 95 | 413 | 438 | 448 | 502 | 632 | 816 | 1266 |
| 120 | 480 | 511 | 523 | 588 | 745 | 966 | 1501 |
| 150 | 557 | 594 | 609 | 687 | 875 | 1137 | 1771 |
| 185 | 638 | 683 | 700 | 793 | 1012 | 1319 | 2059 |



**HALLEY CABLES****H01N2-D/-E****Welding Rubber Cable**

Arc welding cable with normal and improved flexibility

www.halleycables.com

| DIMENSIONS | | | | | |
|--------------------------------------|---|--|----------------------|------------------------|--------------|
| No. of conductors x cross section | Conductor resistance Ω /km | Bending radius, moved application mm | Outer diameter mm | Copper weight kg/km | Weight kg |
| H01N2-D | | | | | |
| 1X16 | 1,16 | 46 | 9,2 | 154 | 220 |
| 1X25 | 0,758 | 65 | 10,5 | 240 | 300 |
| 1X35 | 0,563 | 73 | 12,1 | 336 | 410 |
| 1X50 | 0,379 | 85 | 13,5 | 480 | 560 |
| 1X70 | 0,263 | 98 | 16,2 | 672 | 770 |
| 1X95 | 0,198 | 110 | 18,5 | 912 | 1050 |
| 1X150 | 0,129 | 135 | 22,5 | 1440 | 1590 |
| 1X185 | 0,106 | 146 | 24,4 | 1776 | 1916 |
| 1x240 | 0,0801 | 177 | 29,5 | 2304 | 2540 |

| DIMENSIONS | | | | |
|--------------------------------------|--------------------------------------|----------------------|------------------------|--------------|
| No. of conductors x cross section | Conductor resistance Ω /km | Outer diameter mm | Copper weight kg/km | Weight kg |
| H01N2-E | | | | |
| 1X10 | 1,91 | 6,9 | 96 | 122 |
| 1X16 | 1,21 | 7,9 | 154 | 235 |
| 1X25 | 0,78 | 9,4 | 240 | 282 |
| 1X35 | 0,554 | 10,5 | 336 | 363 |
| 1X50 | 0,386 | 12,8 | 480 | 534 |
| 1X70 | 0,272 | 14,2 | 672 | 716 |
| 1X95 | 0,206 | 16,8 | 912 | 1012 |
| 1X120 | 0,161 | 18,2 | 1152 | 1240 |
| 1X150 | 0,129 | 19,8 | 1440 | 1442 |
| 1X185 | 0,106 | 21,2 | 1776 | 1867 |

H01N2-D/-E