

**H01N2-D / H01N2-E** 100 V, VDE approved, welding cable**Technical data**

- Harmonized welding cable with rubber sheath, according to DIN VDE 0285-525-2-81 / DIN EN 50525-2-81
- **Temperature range**  
flexing -25°C to +80°C  
fixed installation -40°C to +80°C
- **Admissible working temperature**  
at conductor +85°C
- **Nominal voltage** U<sub>0</sub>/U 100/100 V
- **Test voltage** 1000 V
- **Minimum bending radius**  
H01N2-D 12x outer Ø  
H01N2-E 10x outer Ø

**Cable structure**

- Bare Cu- conductor, extra fine-wire to DIN VDE 0295, BS 6360, IEC 60228
- Separator over conductor
- Neoprene outer sheath, chlorinated rubber compound EM5
- Sheath colour black
- Without green-yellow marking

**Properties**

- Test according to DIN VDE 0482-332-1-2, DIN EN 60332-1-2/ IEC 60332-1 (equivalent DIN VDE 0472 part 804 test method B)
- Oil resistant to  
DIN VDE 0473-811-404/ DIN EN 60811-404
- The cable also maintains its high flexibility under the effect of ozone, light, oxygen, inert gas, oil or petrol

**Note**

- No. wires = Gauiding value; the number of individual wires are without obligation.
- Tinned conductor on request
- AWG sizes are approximate equivalent values. The actual cross-section is in mm<sup>2</sup>.

**Application**

For use between the welding generator and the hand-electrode and the workpiece. For use in the automobile industry, in shipbuilding, in transport and conveyor systems, tool making machinery, welding robots etc. These cables retain their high flexibility even under influence of ozone, light, oxygen, protective gases, oil and petrol. The robust construction makes these cables resistant to both to cold and the heat as well as to flames. They are suitable for use in open spaces and in dry and damp conditions.

CE= The product is conformed with the EC Low-Voltage Directive 2006/95/EC.

**H01N2-D: Cables with standard flexibility**

| Part no. | No. cores x cross-sec. mm <sup>2</sup> | No. wires x single wire Ø mm | Sheath Nominal value mm | Outer Ø min. - max. mm | Cop. weight kg / km | Weight approx. kg / km | AWG-No.   |
|----------|--|------------------------------|-------------------------|------------------------|---------------------|------------------------|-----------|
| 31001    | 1 x 10                                 | 320 x 0,2                    | 2,0                     | 7,7 - 9,7              | 96,0                | 135,0                  | 8         |
| 31002    | 1 x 16                                 | 512 x 0,2                    | 2,0                     | 8,8 - 11,0             | 154,0               | 205,0                  | 6         |
| 31003    | 1 x 25                                 | 800 x 0,2                    | 2,0                     | 10,1 - 12,7            | 240,0               | 302,0                  | 4         |
| 31004    | 1 x 35                                 | 1120 x 0,2                   | 2,0                     | 11,4 - 14,2            | 336,0               | 420,0                  | 2         |
| 31005    | 1 x 50                                 | 1600 x 0,2                   | 2,2                     | 13,2 - 16,5            | 480,0               | 586,0                  | 1         |
| 31006    | 1 x 70                                 | 2240 x 0,2                   | 2,4                     | 15,3 - 19,2            | 672,0               | 798,0                  | 2/0       |
| 31007    | 1 x 95                                 | 3024 x 0,2                   | 2,6                     | 17,1 - 21,4            | 912,0               | 1015,0                 | 3/0       |
| 31008    | 1 x 120                                | 614 x 0,5                    | 2,8                     | 19,2 - 24,0            | 1152,0              | 1310,0                 | 4/0       |
| 31030    | 1 x 150                                | 765 x 0,5                    | 3,0                     | 21,2 - 26,4            | 1440,0              | 1620,0                 | 300 kcmil |
| 31031    | 1 x 185                                | 944 x 0,5                    | 3,2                     | 23,1 - 28,9            | 1776,0              | 1916,0                 | 350 kcmil |
| 31009    | 1 x 240                                | 1225 x 0,5                   | 3,4                     | 25,0 - 29,5            | 2304,0              | 2540,0                 | 500 kcmil |

**H01N2-E: Cables with extreme high flexibility**

| Part no. | No. cores x cross-sec. mm <sup>2</sup> | No. wires x single wire Ø mm | Sheath Nominal value mm | Outer Ø min. - max. mm | Cop. weight kg / km | Weight approx. kg / km | AWG-No.   |
|----------|--|------------------------------|-------------------------|------------------------|---------------------|------------------------|-----------|
| 31032    | 1 x 10                                 | 566 x 0,15                   | 1,2                     | 6,2 - 7,8              | 96,0                | 119,0                  | 8         |
| 31033    | 1 x 16                                 | 903 x 0,15                   | 1,2                     | 7,3 - 9,1              | 154,0               | 181,0                  | 6         |
| 31034    | 1 x 25                                 | 1407 x 0,15                  | 1,2                     | 8,6 - 10,8             | 240,0               | 270,0                  | 4         |
| 31035    | 1 x 35                                 | 1974 x 0,15                  | 1,2                     | 9,8 - 12,3             | 336,0               | 363,0                  | 2         |
| 31036    | 1 x 50                                 | 2830 x 0,15                  | 1,5                     | 11,9 - 14,8            | 480,0               | 528,0                  | 1         |
| 31037    | 1 x 70                                 | 3952 x 0,15                  | 1,5                     | 13,6 - 17,0            | 672,0               | 716,0                  | 2/0       |
| 31038    | 1 x 95                                 | 5370 x 0,15                  | 1,8                     | 15,6 - 19,5            | 912,0               | 1012,0                 | 3/0       |
| 31039    | 1 x 120                                | 3819 x 0,2                   | 1,8                     | 17,2 - 21,6            | 1152,0              | 1190,0                 | 4/0       |
| 31019    | 1 x 150                                | 4788 x 0,2                   | 1,8                     | 18,8 - 23,5            | 1440,0              | 1305,0                 | 300 kcmil |
| 31020    | 1 x 185                                | 5852 x 0,2                   | 1,8                     | 20,4 - 25,5            | 1776,0              | 1511,0                 | 350 kcmil |

Dimensions and specifications may be changed without prior notice. (RK01)