

H01N2-D / H01N2-E

100 V, arc welding cables



Technical data

- Harmonized welding cable acc. to DIN VDE 0285-525-2-81 / DIN EN 50525-2-81
- **Temperature range**
flexing -20°C to +85°C
fixed installation -35°C to +85°C
- Permissible conductor **operating temperature** +85°C
- **Nominal voltage**
U₀/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
- Crosslinked elastomeric covering, chlorinated rubber compound EM5 acc. to DIN VDE 0207-363-2-2 / DIN EN 50363-2-2
- Colour: black

Properties

- Test acc. to DIN VDE 0482-332-1-2, DIN EN 60332-1-2 / IEC 60332-1-2 (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.
- AWG sizes are approximate equivalent values. The actual cross section is in mm².

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.. They are suitable for use in dry and damp conditions. Outdoor use for a limited period.

CE = Product conforms with Low-Voltage Directive 2014/35/EU.

H01N2-D: Cables with standard flexibility

Part no.	No. cores x cross-sec. mm ²	No. wires x single wire Ø mm	Outer Ø min. - max. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.
31001	1 x 10	320 x 0,2	7,7 - 9,7	96,0	135,0	8
31002	1 x 16	512 x 0,2	8,8 - 11,0	154,0	205,0	6
31003	1 x 25	800 x 0,2	10,1 - 12,7	240,0	302,0	4
31004	1 x 35	1120 x 0,2	11,4 - 14,2	336,0	420,0	2
31005	1 x 50	1600 x 0,2	13,2 - 16,5	480,0	586,0	1
31006	1 x 70	2240 x 0,2	15,3 - 19,2	672,0	798,0	2/0
31007	1 x 95	3024 x 0,2	17,1 - 21,4	912,0	1015,0	3/0
31008	1 x 120	614 x 0,5	19,2 - 24,0	1152,0	1310,0	4/0
31030	1 x 150	765 x 0,5	21,2 - 26,4	1440,0	1620,0	300 kcmil
31031	1 x 185	944 x 0,5	23,1 - 28,9	1776,0	1916,0	350 kcmil
31009	1 x 240	1225 x 0,5	25,8 - 32,1	2304,0	2540,0	500 kcmil

H01N2-E: Cables with extreme high flexibility

Part no.	No. cores x cross-sec. mm ²	No. wires x single wire Ø mm	Outer Ø min. - max. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.
31032	1 x 10	566 x 0,15	6,2 - 7,8	96,0	119,0	8
31033	1 x 16	903 x 0,15	7,3 - 9,1	154,0	181,0	6
31034	1 x 25	1407 x 0,15	8,6 - 10,8	240,0	270,0	4
31035	1 x 35	1974 x 0,15	9,8 - 12,3	336,0	363,0	2
31036	1 x 50	2830 x 0,15	11,9 - 14,8	480,0	528,0	1
31037	1 x 70	3952 x 0,15	13,6 - 17,0	672,0	716,0	2/0
31038	1 x 95	5370 x 0,15	15,6 - 19,5	912,0	1012,0	3/0
31039	1 x 120	3819 x 0,2	17,2 - 21,6	1152,0	1248,0	4/0
31019	1 x 150	4788 x 0,2	18,8 - 23,5	1440,0	1520,0	300 kcmil
31020	1 x 185	5852 x 0,2	20,4 - 25,5	1776,0	1840,0	350 kcmil

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