H01N2-D

Arc welding cable, 100 V, extra finely stranded wire with regular flexibility

TECHNICAL DATA

Arc welding cable acc. to DIN VDE 0285-525-2-81 / DIN EN 50525-2-81

Temperature range	flexible -20°C to +85°C fixed -35°C to +85°C
Permissible operating temperature of the conductor	+85°C
Nominal voltage	AC U_0/U 100/100 V
Test voltage	1000 V
Minimum bending radius	flexible 12x Outer-Ø

CABLE STRUCTURE

- Copper wire bare, extra finely stranded
- Wire structure: see table
- Separation layer over the conductor
- Cladding: cross-linked elastomer (rubber compound EM5) acc. to DIN VDE 0207-363-2-2 / DIN EN 50363-2-2
- Colour: black

PROPERTIES

- resistant to: oil, ozone, oxygen, petrol, welding light, inert gas
- the materials used during manufacturing are cadmium-free, contain no silicone and are free from substances harmful to the wetting properties of lacquers

TESTS

- flame-retardant acc. to DIN VDE 0482-332-1-2 / DIN EN 60332-1-2 / IEC 60332-1-2
- oil-resistant acc. to DIN VDE 0473-811-404 / DIN EN 60811-404 / IEC 60811-404
- certifications and approvals:
  HAR
  EAC

APPLICATION

The cable is intended for connections between the welding energy source and the electrode holder and the workpiece. Suitable for use in dry and damp rooms; temporary use outdoors. For use in automotive and shipbuilding industry, in transport, conveyor and assembly line systems, machine tools and automatic welding machines.

NOTES

- the conductor is metrically (mm²) constructed, AWG numbers are approximated, and are for reference only

Part no.	No. cores x cross-sec. mm²	Wire structure	AWG, approx.	Outer-Ø min - max mm	Cu-weight kg/km	Weight kg/km, approx.
31001	1 x 10	approx. 320 x 0.2	8	7.7 - 9.7	96.0	135.0
31002	1 x 16	approx. 512 x 0.2	6	8.8 - 11.0	154.0	205.0
31003	1 x 25	approx. 800 x 0.2	4	10.1 - 12.7	240.0	302.0
31004	1 x 35	approx. 1120 x 0.2	2	11.4 - 14.2	336.0	420.0
31005	1 x 50	approx. 1600 x 0.2	1	13.2 - 16.5	480.0	586.0
31006	1 x 70	approx. 2240 x 0.2	2/0	15.3 - 19.2	672.0	798.0
31007	1 x 95	approx. 3024 x 0.2	3/0	17.1 - 21.4	912.0	1015.0
31008	1 x 120	approx. 614 x 0.5	4/0	19.2 - 24.0	1152.0	1310.0
31030	1 x 150	approx. 765 x 0.5	300 kcmil	21.2 - 26.4	1440.0	1620.0
31031	1 x 185	approx. 944 x 0.5	350 kcmil	23.1 - 28.9	1776.0	1916.0
31009	1 x 240	approx. 1225 x 0.5	500 kcmil	25.8 - 32.1	2304.0	2540.0