H01N2-E

Arc welding cable, 100 V, extra finely stranded wire with high 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 10x 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 mm, approx.	Cu-weight kg/km	Weight kg/km, approx.
31032	1 x 10	approx. 566 x 0.15	8	6.2 - 7.8	96.0	119.0
31033	1 x 16	approx. 903 x 0.15	6	7.3 - 9.1	154.0	181.0
31034	1 x 25	approx. 1407 x 0.15	4	8.6 - 10.8	240.0	270.0
31035	1 x 35	approx. 1974 x 0.15	2	9.8 - 12.3	336.0	363.0
31036	1 x 50	approx. 2830 x 0.15	1	11.9 - 14.8	480.0	528.0
31037	1 x 70	approx. 3952 x 0.15	2/0	13.6 - 17.0	672.0	716.0
31038	1 x 95	approx. 5370 x 0.15	3/0	15.6 - 19.5	912.0	1012.0
31039	1 x 120	approx. 3819 x 0.2	4/0	17.2 - 21.6	1152.0	1248.0
31019	1 x 150	approx. 4788 x 0.2	300 kcmil	18.8 - 23.5	1440.0	1520.0
31020	1 x 185	approx. 5852 x 0.2	350 kcmil	20.4 - 25.5	1776.0	1840.0