

H01N2-D

Structure and electrical, physical, EN 50525-2-81
mechanical requirements:

Flame propagation:	EN 60332-1-2
Low Voltage Directive:	2014/35/EU
RoHS Directive:	2011/65/EU



Description

- Conductor: plain copper wire, highly flexible
- Separator: tape
- Sheath: rubber compound
- Colour: black, blue, red or orange

Functional characteristics

- Rated voltage U₀/U: 100/100 V
- Max. operating temperature: 85°C
- Min. operating temperature: -35°C (without mechanical shocks)
- Max. short circuit temperature: 250°C

Special features

Good resistance to abrasion, atmospheric agents and ozone. Good resistance to constant flexing and bending.

Marking

IEMMEQU ◀HAR▶ H01N2-D [form.] [order number] [year]

Installation conditions

- Minimum installation temperature: -20°C
- Recommended minimum bending radius: 6 times the cable diameter
- Recommended maximum tensile stress: 50 N/mm² of the cross-section of the copper

Use and installation method

Reference Guide EN 50565:

For use on arc-welders as a link between a source of energy and the electrode support.

N.B. For applications not covered by Regulation EU 305/2011.

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Formation	Approx. conductor Ø	Average sheath thickness	Max. external Ø	Max. electrical resistance at 20°C	Approx. cable weight
n° x mm ²	mm	mm	mm	Ω/km	kg/km
1 x 10	4,2	2,0	9,7	1,91	145
1 x 16	5,3	2,0	11,0	1,21	200
1 x 25	6,2	2,0	12,7	0,780	290
1 x 35	7,7	2,0	14,2	0,554	380
1 x 50	9,0	2,2	16,5	0,386	525
1 x 70	10,7	2,4	19,2	0,272	730
1 x 95	12,8	2,6	21,4	0,206	940
1 x 120	15,0	2,8	24,0	0,161	1200
1 x 150	16,5	3,0	26,4	0,129	1475
1 x 185	16,9	3,2	28,9	0,106	1785

N.B. For current rating refer to table
"Current carryings. Correction factors. Voltage drops"

Maximum diameter of wires in the conductor:
- cross-section ≤ 95 mm² = 0,21 mm
- cross-section ≥ 185 mm² = 0,51 mm