

H01N2-D

Construction:	BS 638 (BS EN 50525-2-81) HD 22.6
Flame propagation:	BS EN 60332-1-2
Low Voltage Directive:	2006/95/EC
RoHS Directive:	2011/65/EC



Description

- Conductor: plain copper wire, highly flexible, class 6
- Separator: synthetic tape
- Sheath: rubber compound
- Colour: black

Functional characteristics

- Rated voltage U_0/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.

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

For use on arc-welders as a link between a source of energy and the electrode support.
(CEI 20-40, HD 516)

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	152
1 x 16	5,3	2,0	11,0	1,21	217
1 x 25	6,2	2,0	12,7	0,780	307
1 x 35	7,7	2,0	14,2	0,554	415
1 x 50	9,0	2,2	16,5	0,386	575
1 x 70	10,7	2,4	19,2	0,272	795
1 x 95	12,8	2,6	21,4	0,206	1040
1 x 120	15,0	2,8	24,0	0,161	1310
1 x 150	16,5	3,0	26,4	0,129	1600

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

Maximum diameter of wires in the conductor:
- cross-section $\leq 95 \text{ mm}^2 = 0,21 \text{ mm}$
- cross-section $\geq 120 \text{ mm}^2 = 0,51 \text{ mm}$