# H01N2-D

**Single-core extra-flexible arc welding cables, plain copper conductor with rubber covering.**

## Rated voltage
Uo/U 100/100 V

## Standards
EN 50525-1, EN 50525-2-81, EN IEC 60332-1-2, EN IEC 60228.

## European directives
2014/35/UE (LVD) - 2011/65/CE e 2015/863/EU (RoHS).

## Conductor
Flexible annealed plain copper class 6 up to 95 mm² and class 5 from 120 mm² upward (EN IEC 60228).

## Sheath
Black rubber type EM5. If specifically requested, and for agreed quantities, the sheath can be supplied in other single-colours (red – orange – blu etc).

## Marking
Continuous marking on the sheath: « LOMBARDA H01N2-D nominal cross section IEMMEQU ◁HAR▷ production date Made in Italy ».

## Guidance for Use
Arc welding cables, for use with hand-held electrodes at 100 V

**ATTENTION**: the harmonised standards, for industrial or for hobby arc welding apparatus, only allow the use of cross-linked rubber insulated cables according to the EN 50525-2-81 standards. The standards do not allow the use of PVC cables that can become dangerous as they are not able to meet relevant requirements relating to safety, including a special test for resistance to the hot particles that are commonly generated during welding.

Further instructions and guidance for use are given in the EN 50565 standard.

EN IEC 60332-1-2

Minimum installation and handling temp -20 °C

Maximum operating temperature on the conductor


Maximum short circuit temperature (max 5 sec)


Minimum usage temperature -35 °C

Maximum tensile stress 1,5 kg/mm²

Minimum internal bending radii 4 ÷ 8 times the overall diameter


Extra Flessibile

Lead Free Ecogamma


According to RoHS

# H01N2-D

◁HAR▷ CE

| Nominal cross-sectional area of conductor<br>n x mm² | Maximum diameter of conductor wires<br>mm | Thickness of covering Specified value<br>mm | Mean overall diameter | | Indicative cable weight<br>g/m | Maximum resistance of conductors at 20°C<br>ohm/km |
|---|---|---|---|---|---|---|
| | | | MIN<br>mm | MAX<br>mm | | |
| 1 x 10 | 0,21 | 2,0 | 7,7 | 9,7 | 135 | 1,91 |
| 1 x 16 | 0,21 | 2,0 | 8,8 | 11,0 | 198 | 1,21 |
| 1 x 25 | 0,21 | 2,0 | 10,1 | 12,7 | 285 | 0,780 |
| 1 x 35 | 0,21 | 2,0 | 11,4 | 14,2 | 385 | 0,554 |
| 1 x 50 | 0,21 | 2,2 | 13,2 | 16,5 | 550 | 0,386 |
| 1 x 70 | 0,21 | 2,4 | 15,3 | 19,2 | 750 | 0,272 |
| 1 x 95 | 0,21 | 2,6 | 17,1 | 21,4 | 1015 | 0,206 |
| 1 x 120 | 0,51 | 2,8 | 19,2 | 24,0 | 1250 | 0,161 |
| 1 x 150 | 0,51 | 3,0 | 21,1 | 26,4 | 1540 | 0,129 |
| 1 x 185 | 0,51 | 3,2 | 23,1 | 28,9 | 1800 | 0,106 |
| 1 x 240 | 0,51 | 3,4 | 25,8 | 32,1 | 2100 | 0,0801 |