



Rubber Cable

H01N2-D

The special cable for welding.

EN 50525-2-81 / IEC 60245

DESIGN

Conductor

Electrolytic copper, class D (extra-flexible), based on UNE-EN 50525-2-81.

Outer sheath

Flexible rubber. Black colour.



E_{ca}

APPLICATIONS

H01N2-D is a harmonized, flexible, rubber welding cable specially designed for transmitting high currents between the welding generator and the electrode. Its flexibility makes using the welding tool easier and also prevents knots from forming in the cable that could cause the internal conductor to break. It can also be used in automatic welding and machine tools, conveyor systems and production or assembly lines, for example in automobile assembly lines.



CHARACTERISTICS



Electrical performance

LOW VOLTAGE 100/100V



Standard

EN 50525-2-81 / IEC 60245



Approvals

CE RoHS
HAR
AENOR
SASO



Thermal performance

Maximum service temperature: 85°C.
Maximum short-circuit temperature: 250°C (max. 5 s).
Minimum service temperature: -20°C.(mobile use)



Fire performance

Flame non-propagation based on UNE-EN 60332-1 and IEC 60332-1.



Mechanical performance

Minimum bending radius: x5 cable diameter.
Impact resistance: AG2 Medium severity.



Chemical performance

Chemical & Oil resistance: Excellent.
Grease & mineral oils resistance: Excellent



Water performance

Water resistance: AD3 Sprays



Other

Meter by meter marking.



Installation conditions

Open Air.



Applications

Welding.
Industrial use.
Mobile use.
Robotics.
Conveyors.



DIMENSIONS

Cross section (mm ²)	Diameter (mm)	Weight (Kg/km)	Maximum current for a 5 minute period				Voltage drop (V/A · km)
			100%	85%	60%	35%	
1 x 10	8,0	140	100	103	108	122	2,45
1 x 16	9,1	195	135	145	175	230	1,56
1 x 25	10,3	280	180	195	230	300	0,998
1 x 35	11,4	375	245	245	290	375	0,709
1 x 50	13,4	520	285	305	365	480	0,493
1 x 70	15,5	725	355	380	460	600	0,348
1 x 95	17,4	945	430	470	560	730	0,264
1 x 120	19,3	1.195	500	540	650	850	0,206
1 x 150	21,4	1.475	580	630	750	980	0,166
1 x 185	23,3	1.780	665	720	860	1120	0,136

Maximum current capacity according to IEC 60364-5-52.

For other installation conditions, please refer to correction factors in the appendix to this catalogue.

See more technical data on the particular cable specification and on its Declaration of Performance (DoP)

Top Cable reserves the right to carry out any modification to the data sheets whatsoever without giving previous notice.