

WELDING CABLES

H01N2-D, H01N2-E

TYPE: H01N2-D, H01N2-E 100/100 V

Neoprene insulated welding cables

NORM:

HD 22.6, DIN VDE 0282-6, BS 638, NFC 32-510

CONSTRUCTION:

Conductor: tinned or plain annealed copper stranded wires

Insulation: flame retardant oil resistant rubber

Colour of sheath: black

Test voltage 50Hz: 1000V

Maximum conductor operating temperature: + 85°C

Lowest ambient temperature for fixed installation: -40°C

Lowest installation temperature: -20°C

Maximum short-circuit conductor temperature: +250°C

Pulling strength: the maximum static pulling strength may not exceed 15 N/mm²

Minimum bending radius:	D – overall diameter of cable (mm)		
	8 < D ≤ 12	12 < D ≤ 20	D > 20
Free movement	4 D	5 D	6 D
Under mechanical load	6 D	6 D	8 D

Flame propagation: EN 60332-1-2 (IEC 60332-1)

The product is conformed with the RoHS Directive 2002/95/CE, Low-Voltage Directive 73/23/EEC and 93/68/ECC

Application: Designed for welding equipment and accessories; retain their high flexibility even under influence of ozone, light, oxygen, protective gases, oil and petrol; resistant to flame propagation, suitable for use in dry and damp conditions, outdoors and indoors.



Nominal cross-sectional area of conductor	Maximum diameter of wires in conductor	Nominal thickness of insulation	Approximate overall diameter	Approximate weight	Maximum conductor resistance at temperature 20°C	
					tinned	plain
mm ²	mm	mm	mm	kg/km	Ω/km	
H01N2-D						
10	0,21	2,0	8,1	138	1,95	1,91
16	0,21	2,0	9,0	194	1,24	1,21
25	0,21	2,0	10,4	282	0,795	0,780
35	0,21	2,0	11,7	380	0,565	0,554
50	0,21	2,2	13,5	529	0,393	0,386
70	0,21	2,4	15,8	741	0,277	0,272
95	0,21	2,6	17,6	950	0,210	0,206
120	0,51	2,8	19,8	1200	0,164	0,161
150	0,51	3,0	21,9	1484	0,132	0,129
185	0,51	3,2	24,4	1801	0,108	0,106
H01N2-E						
10	0,16	1,2	6,6	113	1,95	1,91
16	0,16	1,2	7,7	166	1,24	1,21
25	0,16	1,2	8,9	245	0,795	0,780
35	0,16	1,2	10,3	336	0,565	0,554
50	0,16	1,5	12,3	484	0,393	0,386
70	0,16	1,5	14,0	668	0,277	0,272
95	0,16	1,8	16,6	891	0,210	0,206
120	0,21	1,8	18,1	1118	0,164	0,161
150	0,21	1,8	20,0	1377	0,132	0,129
185	0,21	1,8	21,3	1654	0,108	0,106