

Welding cable H01N2-D/- E acc. to EN 50525-2-81



Conductor material:	copper, bare or tinned
Conductor class:	class 6 = extra finely stranded
Sheathing material:	rubber (CR) EM5
Flame-retardant:	VDE 0482-332-1-2/IEC 60332-1-2
Oil-resistant:	EN 60811-404
Maximum permitted conductor temperature:	85 °C
Permitted outer cable temperature, fixed:	-20 - +85 °C

	<i>H01N2-E - cable with high flexibility</i>	<i>H01N2-D - Cable with normal flexibility</i>
Nominal voltage U₀:	100 V	100 V
Nominal voltage U:	100 V	100 V
Test voltage:	1 kV	1 kV

Application: In dry, damp and wet rooms as welding cable for machine or hand operation.



The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.

current rating

operation modus	permanent	periodical						
operation cycle	-	5 min.						
load factor	100 %	85 %	80 %	60 %	35 %	20 %	8 %	
cross-section				current rating	A			
10	96	97	98	102	114	137	198	
16	130	132	134	142	166	204	301	
25	173	179	181	196	234	293	442	
35	216	226	229	250	304	384	584	
50	274	287	293	323	398	508	779	
70	341	360	398	409	510	655	1011	
95	413	438	448	502	632	816	1266	
120	480	511	523	588	745	966	1501	
150	557	594	609	687	875	1137	1771	
185	638	683	700	793	1012	1319	2059	

Table: Technical characteristics H01N2-E - cable with high flexibility

p/n	part name	R _l [Ω/km]	D _A [mm]	Cu [kg/km]	G [kg/km]
060022	H01N2-E 01X10 SW	1,91	6,9	96	122
060015	H01N2-E 01X16 SW	1,21	7,9	154	235
060023	H01N2-E 01X25 SW	0,78	9,4	240	282
060024	H01N2-E 01X50 SW	0,386	12,8	480	534
060019	H01N2-E 01X70 SW	0,272	14,2	672	716

p/n	part name	R _l [Ω/km]	D _A [mm]	Cu [kg/km]	G [kg/km]
060020	H01N2-E 01X95 SW	0,206	16,8	912	1012
060025	H01N2-E 01X120 SW	0,161	18,2	1152	1240
060026	H01N2-E 01X150 SW	0,129	19,8	1440	1442
060027	H01N2-E 01X185 SW	0,106	21,2	1776	1867

Table: Technical characteristics H01N2-D - Cable with normal flexibility

p/n	part name	R _l [Ω/km]	R _{bb} [mm]	D _A [mm]	Cu [kg/km]	G [kg/km]
060008	H01N2-D 01X16 SW	1,16	46	9,2	154	220
060009	H01N2-D 01X25 SW	0,758	65	10,5	240	300
060010	H01N2-D 01X35 SW	0,563	73	12,1	336	410
060011	H01N2-D 01X50 SW	0,379	85	13,5	480	560
060012	H01N2-D 01X70 SW	0,263	98	16,2	672	770
060013	H01N2-D 01X95 SW	0,198	110	18,5	912	1050
060014	H01N2-D 01X120 SW	0,155	120	20,1	1152	1290
060016	H01N2-D 01X150 SW	0,129	135	22,5	1440	1590
060018	H01N2-D 01X185 SW	0,106	146	24,4	1776	1916
060029	H01N2-D 01X240 SW	0,0801	177	29,5	2304	2540

RI	Conductor resistance
Rbb	Bending radius, moving application
DA	Outer diameter approx.
Cu	Copper weight (GER)
G	weight