

# Welding cable

## H01N2-D/-E



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

### Construction and technical data:

<b>Standard:</b>	EN 50525-2-81
<b>Conductor material:</b>	copper, bare or tinned
<b>Conductor construction:</b>	very flexible
<b>Sheathing material:</b>	rubber (CR) EM5
<b>Flame-retardant:</b>	VDE 0482-332-1-2/IEC 60332-1-2
<b>Oil-resistant:</b>	EN 60811-404
<b>Max. temperature at conductor, °C:</b>	85 °C
<b>Permitted outer cable temperature, fixed, °C:</b>	-20 - +85 °C
<b>Permitted outer cable temperature, moved, °C:</b>	-20 - +85 °C



*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				
	5 min.						
Operation cycle	-						
Load factor	100%	85%	80%	60%	35%	20%	8%
\$Nennquerschnitt	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

### H01N2-E - cable with high flexibility

**Nominal voltage U<sub>o</sub>:** 100 V

**Nominal voltage U:** 100 V

**Test voltage:** 1 kV

part no.	part name	RI [Ohm/km]	Ø [mm]	Cu [kg/km]	G [kg]
060022	1X10 BK	1.91	6.9	96	122
060015	1X16 BK	1.21	7.9	154	235
060023	1X25 BK	0.78	9.4	240	282
060024	1X50 BK	0.386	12.8	480	534
060019	1X70 BK	0.272	14.2	672	716
060020	1X95 BK	0.206	16.8	912	1012
060025	1X120 BK	0.161	18.2	1152	1240
060026	1X150 BK	0.129	19.8	1440	1442
060027	1X185 BK	0.106	21.2	1776	1867

### H01N2-D - Cable with normal flexibility

**Nominal voltage U<sub>o</sub>:** 100 V

**Nominal voltage U:** 100 V

**Test voltage:** 1 kV

part no.	part name	RI [Ohm/km]	Rbb [mm]	Ø [mm]	Cu [kg/km]	G [kg]
060008	1X16 BK	1.16	46	9.2	154	220
060009	1X25 BK	0.758	65	10.5	240	300
060010	1X35 BK	0.563	73	12.1	336	410
060011	1X50 BK	0.379	85	13.5	480	560
060012	1X70 BK	0.263	98	16.2	672	770
060013	1X95 BK	0.198	110	18.5	912	1050
060014	1X120 BK	0.155	120	20.1	1152	1290
060016	1X150 BK	0.129	135	22.5	1440	1590
060018	1X185 BK	0.106	146	24.4	1776	1916
060029	1X240 BK	0.0801	177	29.5	2304	2540

RI	Conductor resistance
Rbb	Bending radius, moving application
Ø	outer diameter approx.
Cu	Copper weight (GER)
G	net weight per 1000