



**Low Voltage Cables**  
Product Catalogue

H01N2-D

**2022**

## H01N2-D WELDING CABLE

### CONSTRUCTION

Based on: EN 50525-2-81 and IEC 60245-1  
 Conductor: Flexible fine copper wires according to IEC 60228 Class 6  
 Outer Jacket: CPE compound EM5 quality according to EN 50363-2-2

### TECHNICAL DATA

Nominal Voltage  $U_0/U$ : 100/100 V  
 Test Voltage: 1000 V  
 Current Rating: according to EN 50565-1  
 Temperature Range: -25°C to +85°C  
 Min Bending Radius: 6 x D (outer diameter)  
 Impact Resistant: according to IEC 60811-1-4  
 Flame Retardant: according to IEC 60332-1-2  
 Oil Resistant: according to IEC 60811-2-1  
 UV Resistant: 720 h Test (xenon arc lamp)



## DATA SHEET

NOMINAL SIZE	GOLDBERG NUMBER	NOMINAL INSULATION THICKNESS	MEAN OVERALL DIAMETER	RESISTANCE OF CONDUCTOR AT 20°C	APPROX WEIGHT OF CABLE
mm <sup>2</sup>		mm	mm	Ω/km	kg/km
1C x 10	GB21010	2.0	7.9 – 8.9	1.910	153
1C x 16	GB21016	2.0	9.3 – 10.3	1.210	210
1C x 25	GB21025	2.0	10.3 – 11.5	0.780	290
1C x 35	GB21035	2.0	11.4 – 12.6	0.554	387
1C x 50	GB21050	2.2	13.6 – 14.8	0.386	472
1C x 70	GB21070	2.4	15.3 – 16.7	0.272	653
1C x 95	GB21095	2.6	17.6 – 19.2	0.206	879
1C x 120	GB21120	2.8	19.2 – 21.2	0.161	1287
1C x 150	GB21150	3.0	21.2 – 23.2	0.129	1567
1C x 185	GB21185	3.2	23.2 – 25.6	0.106	1900
1C x 240	GB21240	3.4	25.7 – 28.7	0.080	2420

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## DATA SHEET

CURRENT RATING AT A MAXIMUM DUTY CYCLE OF (AIR AMBIENT TEMPERATURE OF 25°C)				
NOMINAL SIZE	100%	85%	60%	35%
mm <sup>2</sup>	A	A	A	A
1C x 10	100	100	101	106
1C x 16	135	136	139	150
1C x 25	180	182	190	213
1C x 35	225	229	243	279
1C x 50	285	293	316	371
1C x 70	355	367	403	482
1C x 95	430	448	498	606
1C x 120	500	524	587	721
1C x 150	580	610	689	853
1C x 185	665	702	797	995

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**OIL RESISTANT**

