

# Flexible Control Cables

## H01N2-D (SG-FLEX, single conductor welding cables)



RoHS

### Construction (케이블구성)

<b>Conductor</b>	plain copper conductors*, extra fine stranded to DIN VDE 0295, IEC 60228 and HD.
<b>Outer jacket</b>	black neoprene outer jacket, chlorinated rubber compound EM5.
<b>Oil resistant</b>	according to VDE 0472 part 803, test method A and IEC 60540 (part803/804).
<b>Fire resistance</b>	test according to DIN VDE 0472 part 804 test method B and IEC 60332-1

### Technical data (기술사양)

<b>Temperature Range</b>	
<b>Fixed installation</b>	-40°C to +80°C
<b>Flexible installation</b>	
<b>Nominal Voltage</b>	100 V
<b>Test voltage</b>	1000 V
<b>Min. Bending Radius</b>	12 x d
<b>Conductor resistance</b>	according to HD 383 cl. 6
<b>Conductor resistance factor</b>	at +20°C see table technical information
<b>Admissible working temperature</b>	at conductor +85°C

### Application (적용)

- ▶ For use between the welding generator and the hand-electrode and the work-place.
  - ▶ For use in the automobile industry, in shipbuilding, in transport and conveyor systems, tool making machinery, welding robots etc.
- These cable retain their high flexibility even under influence of ozone, light, oxygen, protective gases, oil and petrol.
- The robust construction makes these cables resistant to both cold and heat as well as flames, they are suitable for use in open spaces and in dry and damp conditions.

Item no.	No. of cores x cross section n x mm <sup>2</sup>	Single wire Ø max. value mm.	Sheath wall-thickness nom. value mm.	Outer Ø mm.	Copper weight kg/km	Weight ca. kg/km	AWG no. *)
040100161	1x10	0.21	2.0	8.7	96	135	8
040100162	1x16	0.21	2.0	9.9	154	198	6
040100163	1x25	0.21	2.0	11.4	240	285	4
040100164	1x35	0.21	2.0	12.8	336	385	2
040100165	1x50	0.21	2.2	14.85	480	550	0
040100166	1x70	0.21	2.4	17.25	672	750	2/0
040100167	1x95	0.21	2.6	19.25	912	1015	3/0
040100168	1x120	0.51	2.8	21.6	1152	1250	4/0
040100169	1x150	0.51	3.0	23.75	1440	1540	250 MCM
040100170	1x185	0.51	3.2	26.0	1776	1800	350 MCM
040100171	1x240	0.51	3.4	ca. 28.0	2304	2540	450 MCM



TCC

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