



# Welding Cable <HAR> H01N2-D

ESAB welding cable is of the highest quality and has top-class performance characteristics. This cable is approved in accordance with international standards and it is harmonised <HAR>. The cable is extremely resistant to light, chemicals and mechanical damage and it maintains its flexibility even when used in a cool environment.  
(Certified to HD 22.6)



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	Load Carrying Capacity - 10 Minutes			Nominal cross sectional area Cooper conductor mm <sup>2</sup>	D.C Voltage Drop Per 100 A per 10m of Cable at:		
						60%	35%	20%		20°C	60°C	85°C
mm <sup>2</sup>	mm	mm	mm	kg/km	Plain Ω/km					V		
<b>H01N2-D</b>												
16	0,21	2,0	8,9	197	1,21	133	144	167	16	1,24	1,430	1,560
25	0,21	2,0	10,1	281	0,780	182	203	244	25	0,795	0,920	0,998
35	0,21	2,0	11,4	379	0,554	233	268	324	35	0,565	0,654	0,709
50	0,21	2,2	13,2	530	0,386	303	356	439	50	0,393	0,455	0,493
70	0,21	2,4	15,3	735	0,272	307	400	578	70	0,277	0,321	0,348
95	0,21	2,6	17,5	955	0,206	478	582	734	95	0,2100	0,243	0,264
120	0,51	2,8	19,7	1213	0,161	564	692	880	120	0,164	0,190	0,206

## Technical data

**Conductor:** Plain annealed copper stranded wires  
**Insulation:** Flame retardent oil resistant  
**Colour of sheath:** Black  
**Test Voltage 50Hz:** 1000V  
**Maximum conductor operating temp:** +85°C  
**Lowest ambient temperature for fixed installation:** -40°C  
**Lowest installation temperature:** -25°C  
**Maximum short-circuit conductor temperature:** +250°C  
**Pulling strength:** The maximum static pulling strength may not exceed 15N/mm<sup>2</sup>  
**Minimum bending radius:** 6 x D ; D – overall diameter of cable  
**Flame propagation:** EN 60332-1-2:2004, IEC 60332-1-2:2004

**Tested and certified according to: HD 22.6**



ISO 9001:2000



## Ordering Information

Sectional area 16mm <sup>2</sup> sold per 50m coils	0190 429 801
Sectional area 25mm <sup>2</sup> sold per 50m coils	0262 613 601
Sectional area 35mm <sup>2</sup> sold per 50m coils	0262 613 602
Sectional area 50mm <sup>2</sup> sold per 50m coils	0262 613 606
Sectional area 70mm <sup>2</sup> sold per 50m coils	0262 613 603
Sectional area 95mm <sup>2</sup> sold per 50m coils	0262 613 604
Sectional area 120mm <sup>2</sup> sold per 25m coils	0262 613 605

## Application

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