

Welding Cable

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 mm²	D.C Voltage Drop Per 100 A per 10m of Cable at:		
mm²	mm	mm	mm	kg/km	Plain	60%	35%	20%		20°C	60°C	85°C
HO1N2-D					Ω/km					V		
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 retardant 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/mm²
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

Ordering Information

Sectional area 16mm² sold per 50m coils	0190 429 801
Sectional area 25mm² sold per 50m coils	0262 613 601
Sectional area 35mm² sold per 50m coils	0262 613 602
Sectional area 50mm² sold per 50m coils	0262 613 606
Sectional area 70mm² sold per 50m coils	0262 613 603
Sectional area 95mm² sold per 50m coils	0262 613 604
Sectional area 120mm² 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