Introduction

The H01N2-E welding cable is a rubber-jacketed, highly flexible, harmonized cable designed for transferring high currents from electric welding machines to welding tools on line and spot welding machines, whether manually or automatically operated. It is also suitable for use in conveyor systems and assembly lines within the tool, automotive, and shipbuilding industries.

Application

The H01N2-E welding cable finds extensive use in various industries, particularly in steel construction, which utilizes steel in multiple forms such as metal sheets and tubes. Consequently, welding plays a dominant role in this sector.

Performance

Temperature range:
Flexible: -20°C to +85°C
Fixed: -35°C to +85°C
Operating temperature of the conductor: +85°C
Nominal voltage: AC U0/U 100/100 V
Test voltage: 1000 V
Minimum bending radius: Flexible - 10x Outer-Ø

Construction

Conductor: Bare or tinned copper conductor, extra-fine wired stranded, class 6 according to IEC 60228 / HD 383 / DIN VDE 0295
Separator: Polyester foil or paper
Sheath: Rubber compound based on polychloroprene (CR) (= Neoprene), i.e., EM5 according to DIN VDE 0282 part 803, oil-resistant
Sheath color: Black

Specification

-DIN VDE 0282-6
-DIN EN 60228 class 6 (construction)
-HD 22.6 S2: 1995+A1:1999+A2:2005

Eastful Cable Lab

We have CNAS Accredited Facility to assure conformity assessment services with a focus on quality, expertise, and customer satisfaction.
CNAS has international mutual recognition among IAF, ILAC, APLAC and PAC.

Accreditation

We meet the requirements of ISO9001, ISO14001, ISO45001 and ISO50001 and our cables have certificate of CCC, RoHS, CASC, UL, cUL, TÜV Rhineland and CCS.

National Green Factory

Our facility has been awarded of National Green Factory by Ministry of Industry and Information Technology of China.
We are committed to the development of high-end, intelligent and green manufacturing industry.

*The overall energy consumption level of green factories is better than the energy efficiency benchmark level.

Technical Parameters

Dimensions – No. of Cores × Conductor Cross-Section	Construction of Individual Conductor	Conductor Dia.	Sheath Thickness	External Dia.	Short Circuit Current 1s	Permitted Stress	Cu Weight	Cable Weight	Packing *
	Nominal	Nominal	Nominal	Min-Max.	Nominal	Max.		Approx.	
No. × mm²	No. / mm	mm	mm	mm	kA	N	kg/km	kg/km	
1 × 10	566 / 0.15	4.0	1.2	6.2 – 7.8		150	96	119	CUT
1 × 16	903 / 0.15	5.1	1.2	7.3 – 9.1	2.37	240	153.6	181	CUT
1 × 25	1407 / 0.15	6.1	1.2	8.6 – 10.8	3.70	375	240	270	CUT
1 × 35	1974 / 0.15	7.6	1.2	9.8 – 12.3	5.18	525	336	363	CUT
1 × 50	2830 / 0.15	9.3	1.5	11.9 – 14.8	7.40	750	480	528	CUT
1 × 70	3952 / 0.15	11.2	1.5	13.6 – 17.0	10.4	1050	672	716	CUT
1 × 95	5370 / 0.15	12.4	1.8	15.6 – 19.5	14.1	1425	912	1012	CUT
1 × 120	3819 / 0.20	14.5	1.8	17.2 – 21.6	17.8	1800	1152	1090	CUT
1 × 150	4788 / 0.20	16.8	1.8	18.8 – 23.5	-	2250	1440	1305	CUT
1 × 185	5852 / 0.20	17.9	1.8	20.4 – 25.5	-	2775	1776	1511	CUT

Packing: CUT = cable in different lengths on drum or reel, possible cutting at required length