

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.















RoHS

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

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

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

