H01N2-D/E (NSKFFÖU)

Application and Description

These cables are used as a connection between the welding generator, the hand-electrode and the work piece. For use in the automobile industry, ship building, transport and conveyor systems, tool making machinery, welding robots etc. These cables retain their high flexibility even under influence of ozone, light, oxygen, protective gases, oil and petrol. Robust cable structure of these cables makes them resistant to low and high temperature, fire, ozone and radiation, oils, acids, fats and petrols. These cables are also ideal for outside installation in dry, moist and wet areas.

Standard and Approval

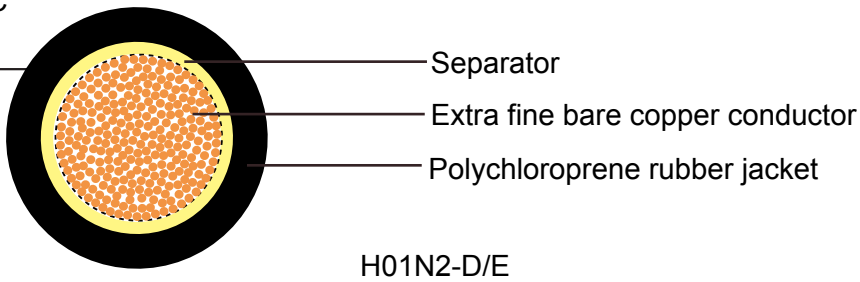
UNE 21027, <HAR> HD22.6 S2, VDE-0282 Part-6, IEC 60332.3, IEC 60754.1, UNEL 35368, CEI 20-22 II, CEI 20-38, CE low voltage directive 73/23/EEC & 93/68/EEC., ROHS compliant

Cable Construction

- Extra fine bare copper strands
- Strands to DIN VDE 0295, BS 6360, IEC 60228 and HD 383
- Strands to VDE-0295 as listed below
- Synthetic or paper separator over core
- Polychloroprene rubber (neoprene) jacket EM5

Technical Characteristics

- Working voltage: 100/100 volts
- Test voltage: 1000 volts
- Flexing bending radius: 12.0 x Ø
- Fixed bending radius: 7.5 x Ø
- Flexing Temperature: -25º C to +80º C
- Fixed Temperature: -40º C to +80º C
- Flame retardant: IEC 60332.1



H01N2-D/E

Cable Parameter

Cables with Standard and Approval flexibility

AWG	No. of Cores x Nominal Cross Sectional Area *# x mm²*	Nominal Thickness of Insulation *mm*	Nominal Overall Diameter *mm*	Nominal Copper Weight *kg/km*	Nominal Weight *kg/km*
8(320/32)	1 x 10	2.0	7.7-9.7	96	135
6(512/32)	1 x 16	2.0	8.8-11.0	154	205
4(800/32)	1 x 25	2.0	10.1-12.7	240	302
2(1120/32)	1 x 35	2.0	11.4-14.2	336	420
1(1600/32)	1 x 50	2.2	13.2-16.5	480	586
2/0(2240/32)	1 x 70	2.4	15.3-19.2	672	798
3/0(3024/32)	1 x 95	2.6	17.1-21.4	912	1015
4/0(614/24)	1 x 120	2.8	19.2-24.0	1152	1310
300MCM(765/24)	1 x 150	3.0	21.2-26.4	1440	1620
350MCM(944/24)	1 x 185	3.2	23.1-28.9	1776	1916
500MCM(1225/24)	1 x 240	3.4	25.0-29.5	2304	2540

Cables with extreme high flexibility

AWG	No. of Cores x Nominal Cross Sectional Area *# x mm²*	Nominal Thickness of Insulation *mm*	Nominal Overall Diameter *mm*	Nominal Copper Weight *kg/km*	Nominal Weight *kg/km*
8(566/35)	1 x 10	1.2	6.2-7.8	96	119
6(903/35)	1 x 16	1.2	7.3-9.1	154	181
4(1407/35)	1 x 25	1.2	8.6-10.8	240	270
2(1974/35)	1 x 35	1.2	9.8-12.3	336	363
1(2830/35)	1 x 50	1.5	11.9-14.8	480	528
2/0(3952/35)	1 x 70	1.8	13.6-17.0	672	716
3/0(5370/35)	1 x 95	1.8	15.6-19.5	912	1012
4/0(3819/32)	1 x 120	1.8	17.2-21.6	1152	1190
300MCM(4788/32)	1 x 150	1.8	18.8-23.5	1440	1305
500MCM(5852/32)	1 x 185	1.8	20.4-25.5	1776	1511