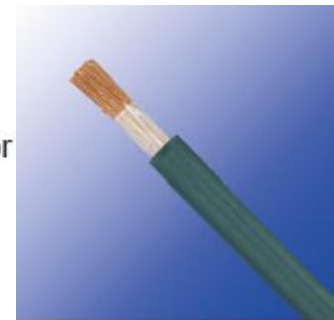
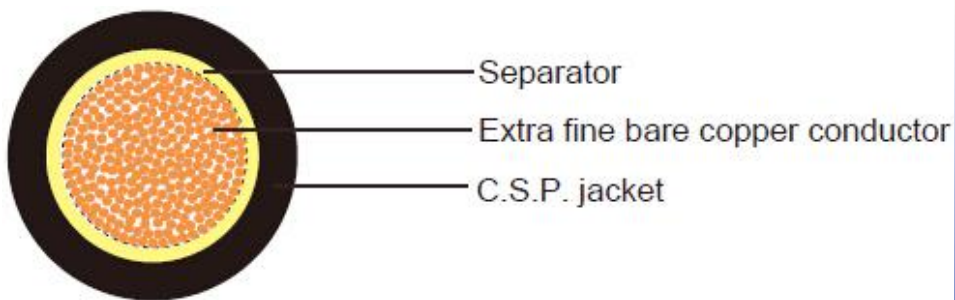


## H01N2-D/E to BS 638-4(New BS EN50525-2-81)

### Application and Description

H01N2-D/E to BS 638-4(New BS EN50525-2-81) cables are used as a connection between the welding generator, the hand-electrode and the work piece, H01N2-D/E to BS 638-4(New BS EN50525-2-81) cables are suitable 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 design of these cables makes them resistant to low and high temperature, fire, ozone and radiation, oils, acids, fats and petrols. H01N2-D/E to BS 638-4(New BS EN50525-2-81) cables are also ideal for outside installation in dry, moist and wet areas.

### Cable Construction



Extra fine bare copper strands

Stranding to BS 6360 CL-6, IEC 60228 CL-6

Synthetic or paper separator over core

Polychloroprene rubber (neoprene) sheath EM5, or extruded in two layers, EI7&EM5, the outer layer will be not less than 0.6mm

### Technical Characteristics

Working voltage: 100/100 volts

Test voltage: 1000 volts

Minimum bending radius: 12.0xOverall diameter (H01N2-D)

10xOverall diameter (H01N2-E)

Flexing Temperature: -25° C to +80° C

Fixed Temperature: -40° C to +80° C

Flame retardant: IEC 60332.1

## Cable Parameter

### H01N2-D (standard flexibility)

AWG (No of Strands/ Strand Diameter)	No. of Cores x Nominal Cross Sectional Area #xmm <sup>2</sup>	Nominal Thickness of Insulation mm	Nominal Overall Diameter mm	Nominal Copper Weight kg/km	Nominal Weight kg/km
8(320/32)	1x10	2.0	7.7-9.7	96	135
6(512/32)	1x16	2.0	8.8-11.0	154	205
4(800/32)	1x25	2.0	10.1-12.7	240	302
2(1120/32)	1x35	2.0	11.4-14.2	336	420
1(1600/32)	1x50	2.2	13.2-16.5	480	586
2/0(2240/32)	1x70	2.4	15.3-19.2	672	798
3/0(3024/32)	1x95	2.6	17.1-21.4	912	1015
4/0(614/24)	1x120	2.8	19.2-24	1152	1310
300MCM(765/24)	1x150	3.0	21.2-26.4	1440	1620
350MCM(944/24)	1x185	3.2	23.1-28.9	1776	1916
500MCM(1225/24)	1x240	3.4	25-29.5	2304	2540

### H01N2-E(high flexibility)

AWG (No of Strands/ Strand Diameter)	No. of Cores x Nominal Cross Sectional Area #xmm <sup>2</sup>	Nominal Thickness of Insulation mm	Nominal Overall Diameter mm	Nominal Copper Weight kg/km	Nominal Weight kg/km
8(566/35)	1x10	1.2	6.2-7.8	96	119
6(903/35)	1x16	1.2	7.3-9.1	154	181
4(1407/35)	1x25	1.2	8.6-10.8	240	270
2(1974/35)	1x35	1.2	9.8-12.3	336	363
1(2830/35)	1x50	1.5	11.9-14.8	480	528
2/0(3952/35)	1x70	1.8	13.6-17.0	672	716
3/0(5370/35)	1x95	1.8	15.6-19.5	912	1012
4/0(3819/32)	1x120	1.8	17.2-21.6	1152	1190
300MCM(4788/32)	1x150	1.8	18.8-23.5	1440	1305
500MCM(5852/32)	1x185	1.8	20.4-25.5	1776	1511