



## 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

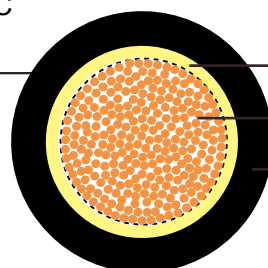
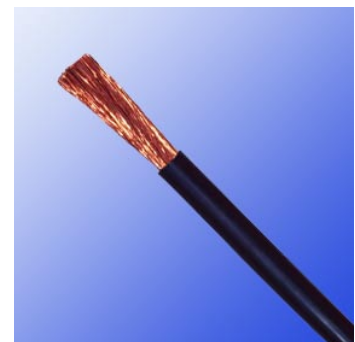
UNE 21027, <HAR> HD22.6 S2, VDE-0282 Part-6, IEC 60332.3, IEC 60754.1, UNEL 35368, CEI 20-22 II, CEI 20-38, CE low voltage directive 73/23/EEC & 93/68/EEC., ROHS compliant

### 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:  $12.0 \times \varnothing$
- Fixed bending radius:  $7.5 \times \varnothing$
- Flexing Temperature:  $-25^{\circ} \text{C}$  to  $+80^{\circ} \text{C}$
- Fixed Temperature:  $-40^{\circ} \text{C}$  to  $+80^{\circ} \text{C}$
- Flame retardant: IEC 60332.1



Separator

Extra fine bare copper conductor

Polychloroprene rubber jacket

H01N2-D/E



### Cable Parameter

#### Cables with Standard and Approval flexibility

| AWG             | No. of Cores x<br>Nominal Cross<br>Sectional Area<br># x mm <sup>2</sup> | Nominal<br>Thickness of<br>Insulation<br>mm | Nominal Overall<br>Diameter<br>mm | Nominal<br>Copper<br>Weight<br>kg/km | Nominal<br>Weight<br>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<br>Nominal Cross<br>Sectional Area<br># x mm <sup>2</sup> | Nominal<br>Thickness of<br>Insulation<br>mm | Nominal Overall<br>Diameter<br>mm | Nominal<br>Copper<br>Weight<br>kg/km | Nominal<br>Weight<br>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                       |