

Harsh conditions

Rubber cables



## H01N2-D

Normative arc-welding cable



**Info**

- Arc welding cable according to EN 50525-2-81
- Formerly, VDE type NSLFFÖU

**Benefits**

- Type-compliant versions <HAR>-certified with “<HAR>” testing and certification mark for accelerated granting of approvals if final application of cable is within the European CENELEC area

**Application range**

- Application standard for H01N2-D: HD 516/VDE 0298-300
- For transmitting high currents from the electric welding device to the welding tool
- Use the welding cable only under consideration of HD 516/VDE 0298-300
- Can be used in dry or damp rooms

**Product features**

- Flame-retardant according IEC 60332-1-2
- Maximum recommended ambient temperature during storage according to HD 516/VDE 0298-300: +40 °C

**Norm references / Approvals**

- <HAR> H01N2-D cable type certification acc. EN 50525-2-81
- Has replaced the previous VDE type NSLFFÖU

**Product make-up**

- Bare copper wire according to HAR
- Stranding approximately corresponds to class 6 up to 95 mm<sup>2</sup>, and from 120 mm<sup>2</sup> approximately to class 5 acc. to VDE 0295
- Separator made of synthetic film or paper
- Outer sheath: rubber compound, type EM5

**Technical data**

**Classification**  
ETIM 5.0 Class-ID: EC000824  
ETIM 5.0 Class-Description: Welding cable

**Conductor stranding**  
H01N2-D according to EN 50525-2-81

**Minimum bending radius**  
Flexible use: 12 x outer diameter

**Nominal voltage**  
U<sub>0</sub>/U: 100/100 V

**Test voltage**  
1000 V

**Current rating**  
According to VDE 0298 Part 4, table 16 HD 516/VDE 0298-300

**Temperature range**  
Flexible use: -25 °C to +85 °C  
HD 516/VDE 0298-300

| Article number | Conductor cross-section (mm <sup>2</sup> ) | Outer diameter (mm) | Copper index (kg/km) | Weight (kg/km) |
|----------------|--|---------------------|----------------------|----------------|
| 2310026        | 10   | 7.7 - 9.7           | 96.0                 | 171            |
| 2210700        | 16   | 8.8 - 11.0          | 153.6                | 198            |
| 2210701        | 25   | 10.1 - 12.7         | 240.0                | 305            |
| 2210702        | 35   | 11.4 - 14.2         | 336.0                | 415            |
| 2210703        | 50   | 13.2 - 16.5         | 480.0                | 555            |
| 2210704        | 70   | 15.3 - 19.2         | 672.0                | 765            |
| 2210705        | 95   | 17.1 - 21.4         | 912.0                | 1010           |
| 2210706        | 120  | 19.2 - 24.0         | 1,152.0              | 1262           |
| 2210707        | 150  | 21.2 - 26.4         | 1,440.0              | 1610           |
| 2210708        | 240  | 25.0 - 29.5         | 2,304.0              | 2520           |

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.  
Copper price basis: EUR 150/100kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges.  
Please find our standard lengths at: [www.lappkabel.de/en/cable-standardlengths](http://www.lappkabel.de/en/cable-standardlengths)  
Packaging size: coil ≤ 30 kg or ≤ 250 m, otherwise drum  
Please specify the preferred type of packaging (e.g. 1 x 500 m drum or 5 x 100 m coils).  
Photographs are not to scale and do not represent detailed images of the respective products.

**Accessories**

- KS 20 cable shears refer to page 908

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 ACCESSORIES  
 APPENDIX