

H01N2-D welding cables with reinforced sheath

H01N2-D 1x120 cut to length

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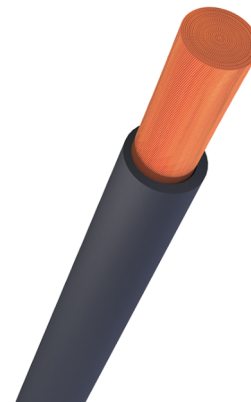
DESCRIPTION

Application

Industry, and especially the steel construction, consumes steel in various forms: metal sheets, tubes and so on. Consequently the trade of welding is dominating in this activity. Nexans is present on this market, and proposes to its customers a range of welding cables which is characterized by a high flexibility.

Installation

Electrical supply of moving welding machines. This cable connects the welding equipment to the electrode holder. It is also recommended for all flexible links working under a low voltage U0/U 100/100V maximum. The flexible conductors and the reinforced sheath give to the cables H01N2-D a high flexibility.



STANDARDS

International EN 50525-2-81;
HD 22.6; IEC 60245

National NF C 32-510



Conductor flexibility
Flexible class 5



Cable flexibility
Very flexible



Mechanical
resistance to
impacts
Medium



Chemical
resistance
Oil resistant



Flame retardant
EN 60332-1-2



Max. conductor
temp. in service
85 °C



Static bending rad.
65 mm



Operating temp.
-25 - 60 °C

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CHARACTERISTICS

Construction characteristics

| | |
|-----------------------|-----------------------------------|
| Conductor flexibility | Flexible class 5 |
| Conductor material | Bare annealed copper stranded |
| Outer sheath | Special crosslinked Elastomer EM5 |
| Protection | - |
| Sheath colour | Black |

Dimensional characteristics

| | |
|-------------------------|------------------------|
| Conductor cross-section | 120 mm ² |
| Maximum outer diameter | 24.0 mm |
| Minimum outer diameter | 19.2 mm |
| Approximate weight | 1156 kg/km |
| Conductor diameter | 14.0 mm |
| Dimensional standards | IEC 60228, NF C 32-013 |
| Number of cores | 1 |

Electrical characteristics

| | |
|--|-------|
| Nominal Voltage | 100 V |
| Permissible current rating in open air | 480 A |

Mechanical characteristics

| | |
|----------------------------------|---------------|
| Cable flexibility | Very flexible |
| Mechanical resistance to impacts | Medium |

Usage characteristics

| | |
|--|---------------|
| Packaging | Cut to length |
| Chemical resistance | Oil resistant |
| Flame retardant | EN 60332-1-2 |
| Max. conductor temperature in service | 85 °C |
| Minimum static operating bending radius | 65 mm |
| Operating temperature, range | -25 - 60 °C |
| Short-circuit max. conductor temperature | 250 °C |
| Water proof | Accidental |
| Weather resistance | Good |