

H01N2-D welding cables with reinforced sheath

H01N2-D 1x50 cut to length

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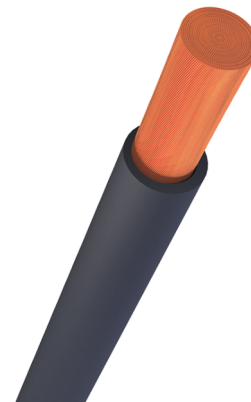
DESCRIPTION

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
Extra-flexible
class 6



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.
45 mm



Operating temp.
-25 - 60 °C

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CHARACTERISTICS

Construction characteristics

Conductor flexibility	Extra-flexible class 6
Conductor material	Bare annealed copper stranded
Outer sheath	Special crosslinked Elastomer EM5
Protection	-
Sheath colour	Black

Dimensional characteristics

Conductor cross-section	50 mm ²
Maximum outer diameter	16.5 mm
Minimum outer diameter	13.2 mm
Approximate weight	524 kg/km
Conductor diameter	9.2 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	273 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	45 mm
Operating temperature, range	-25 - 60 °C
Short-circuit max. conductor temperature	250 °C
Water proof	Accidental
Weather resistance	Good