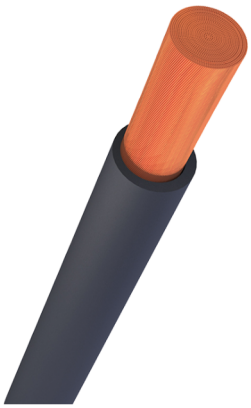
H01N2-D welding cables with reinforced sheath

H01N2-D 1x50 cut to length



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CONTACT

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STANDARDS

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

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 hoder. 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.

Conductor flexibility	Rated Voltage Uo/U (Um)	Cable flexibility	Mechanical resistance to impacts	Chemical resistance	Max.conductor temp.in service	Static bending rad.	Operating temp.
Extra-flexible class 6	**100 V**	**Very flexible**	**Medium**	**Oil resistant**	**85 °C**	**45 mm**	**-25 ... 60 °C**

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Nexans is indicative only and shall not be binding on Nexans or be treated as constituting a representation on the part of Nexans.

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CHARACTERISTICS

Construction characteristics	
Conductor flexibility	Extra-flexible class 6
Conductor material	Bare annealed copper stranded
Conductor shape	Circular
Outer sheath	Special crosslinked Elastomer EM5
Protection	-
Sheath colour	Black
Dimensional characteristics	
Conductor cross-section	50 mm²
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
Rated Voltage Uo/U (Um)	100 V
Mechanical characteristics	
Cable flexibility	Very flexible
Mechanical resistance to impacts	Medium
Usage characteristics	
Packaging	Cut to length
Chemical resistance	Oil resistant
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
Fire safety characteristics	
Flame retardant	EN 60332-1-2

SELLING AND DELIVERY INFORMATION

Marking (EN CENELEC marking)

USE <'HAR> H01N2-D 1 x s 213

s : cross-section in mm²

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