

Rubber Insulated Cable H01N2-D

DB 2310026EN
valid from : 16.07.2015

Application

H01N2-D are arc welding cable made of cross-linked elastomer outer sheath for arc welding equipment/electric welding device up to 100 V. Contact with the skin while working should be avoided. Continuous, busy movements, usage of these cables in moving cable carriers, respectively on motor drum guidance or under a strain of more than 15 N/mm² is not allowed.

Design

Design	acc. to EN 50525-2-81 (VDE 0285-525-2-81).		
Conductor	copper		
Litzenleiterklasse	up to 95 mm ²	extra-fine wire	acc. IEC 60228 resp. EN 60228 (VDE 0295), class 6
	starting at 120 mm ²	fine-wire	acc. IEC 60228 resp. EN 60228 (VDE 0295), class 5
Separator layer	over the conductor, made of suitable material		
Outer sheath	Single-layered:	Rubber compound EM 5 acc. EN 50363-2-2	
	Double-layered:	Inner layer:	Rubber EM 5 or EI 7 acc. EN 50363-2-1
		Outer sheath:	Rubber compound EM 5 acc. EN 50363-2-2

Electrical properties

Nominal voltage	U ₀ /U	100 / 100 V
Test voltage	A / A	1000 V AC

Mechanical and thermal properties

Min. bending radius	4 to 8 x D acc. to DIN EN 50565-1 (VDE 0298-565-1)	
Temperature range	-25 °C to +85 °C max. conductor temperature	
Flammability	acc. to IEC 60332-1-2 resp. EN 60332-1-2 (VDE 0482-332-1-2)	
Tests	acc. to EN 60811-100 (VDE 0473-811-100), EN 50395 (VDE 0481-395); EN 50396 (VDE 0473-396)	

The cable is characterized with the <HAR> HAR-sign or HAR-identification thread.

EU-Directives These cables are conform to the EU-Directives 2014/35/EU (Low Voltage Directive), and 2011/65/EU (RoHS, Restriction of the use of certain hazardous substances).

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