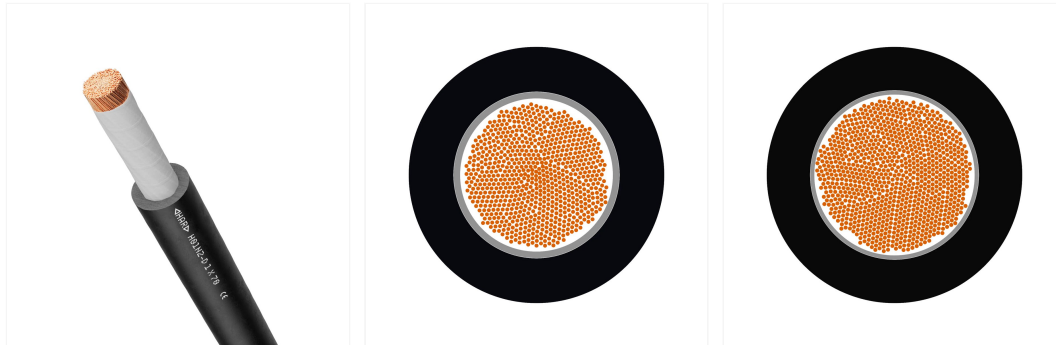


## H01N2-D 1X70

**Article No.:** 2210704

Power and control cable; 1X70; HAR-certified;  $U_0/U$ : 100/100 V; Rubber; Flexible



### Details

#### Benefits

- Made according to harmonized European type H01N2-D, with the <HAR> testing mark for proven reliability and quality.
- <HAR> cables are widely accepted and can be used in Europe.
- Reliable transmission of high currents thanks to the flexible and resistant cable design.

#### Application

- For connecting an arc welder and manual electrode holder up to a nominal voltage of 100 V.
- For flexible use, in the open air, without tensile strain.
- Can be used in dry, damp and, especially, harsh and oily environments.
- Withstands high mechanical stress.
- Can be used for a limited period of time outdoors.
- Flexible use at temperatures down to -25°C.

#### Notes

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

If applicable, the prices are solid metal prices without additional charges and VAT. Sales only to business customers.

Unless specified otherwise, the product values shown are rated values at room temperature. You can receive additional values, such as tolerances, upon request if they are available and have been released for publication.

Trade product, not a LAPP product.

**Remarks**

Trade product, not a LAPP product.

Technical Data

**General information**

Product type	Power and control cable
Copper index	4515.2 lb/10000 ft
Industry segment	Agricultural & Farm Machinery Automotive Construction Machinery Intralogistics & Material handling Lifts & Elevators Machine Tools Process Industry Robotics

**Electrical parameters**

Nominal voltage	$U_0/U$ : 100/100 V AC rms according to IEC
test voltage	1 kV
Current rating according to	VDE 0298-4

**Product design**

Harmonized product type	H01N2-D
Cable dimension	1X70
Nominal cross section conductor (mm <sup>2</sup> )	70 mm <sup>2</sup>
Conductor material	Bare Copper
Conductor design	EN 50525-2-81 H01N2-D

Including protective ground	No
Number of cores	1
Shielded	No
Min. outer diameter	0.602 in
Max. outer diameter	0.665 in
Cable form	Round
Basic material of outer jacket	Rubber
Outer jacket color	black

### Product features

Application area	Flexible Fixed Installation
For torsional load	No
Minimum bending radius, stationary	5 x outer diameter
Minimum bending radius in inch, fixed installation	3.327 in
Minimum bending radius, occasionally moved	5 x outer diameter
Minimum bending radius in mm, occasionally moved	3.327 in
Temperature, fixed installation	-40 °C to 85 °C max. conductor temperature
Temperature, occasionally moved	-25 °C to 85 °C max. conductor temperature
Installation temperature min.	-20 °C
Storage temperature max.	-20 °C
Storage temperature maximum	40 °C
Flame-retardant	Yes
Flame retardance according to	IEC 60332-1-2
UV-resistant	Yes
UV-resistant according to	EN 50525-1 (cables with a black jacket are suitable for permanent outdoor use)
Halogenfree	No
Oil resistant	Yes

PWIS-free	No
Permanently immersible in water	No

**Certifications and standards**

CE marking	Yes
EAC certified	Yes
EAC certification number	EAЭC N RU Д-DE.АЮ64.В.00130/20, EAЭC N RU Д-DE.АЮ64.В.00142/20
UL recognized	No
UL listed	No
cUR recognized	No
cUL listed	No
CSA certified	No
VDE certified	No
HAR-certified	Yes
Product standard DIN / EN	EN 50525-2-81
Resistance to flame propagation tested according to UN/ECE-R118	No

**H01N2-D**

Article No.	Name	Nominal cross section conductor (mm <sup>2</sup> )	Min. outer diameter	Max. outer diameter	Copper index
2210700	H01N2-D 1X16	16 mm <sup>2</sup>	0.346 in	0.386 in	1032 lb/10000 ft
2210701	H01N2-D 1X25	25 mm <sup>2</sup>	0.398 in	0.445 in	1612.6 lb/10000 ft
2210702	H01N2-D 1X35	35 mm <sup>2</sup>	0.449 in	0.496 in	2257.6 lb/10000 ft
2210703	H01N2-D 1X50	50 mm <sup>2</sup>	0.52 in	0.575 in	3225.1 lb/10000 ft
2210704	H01N2-D 1X70	70 mm <sup>2</sup>	0.602 in	0.665 in	4515.2 lb/10000 ft
2210705	H01N2-D 1X95	95 mm <sup>2</sup>	0.673 in	0.74 in	6127.7 lb/10000 ft
2210706	H01N2-D 1X120	120 mm <sup>2</sup>	0.756 in	0.831 in	7741.08 lb/10000 ft
2310026	H01N2-D 1X10	10 mm <sup>2</sup>	0.303 in	0.343 in	645.02 lb/10000 ft

V1.1