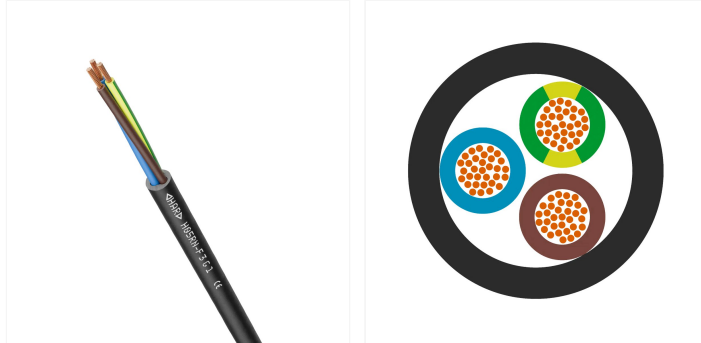


**H05RN-F 3G1**
**Article No.:** 1600253

Power and control cable; 3G1; HAR certified;  $U_0/U$ : 300/500 V; Rubber; Conductor identification: Colors; Flexible


**Details**
**Benefits**

- Made according to harmonized European type H05RN-F, with <HAR> testing mark for proven reliability and quality.
- <HAR> cables are widely accepted and can be used in Europe.
- Versatile use in various applications and environments.

**Application**

- For versatile use with household appliances and mobile electrical hand-held devices.
- Typical areas of application are also strings of lights and hand-held inspection lights.
- For flexible use.
- Can be used in dry, damp and oily environments.
- Suitable for light mechanical stress.
- Suitable for outdoor use, subject to the temperature range.
- 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	193.5 lb/10000 ft
Industry segment	Heating, Ventilation, Air Conditioning & Refrigeration

##### Electrical parameters

Nominal voltage	$U_0/U$ : 300/500 V AC rms according to IEC
test voltage	2 kV
Current rating according to	VDE 0298-4

##### Product design

Harmonized product type	H05RN-F
Cable dimension	3G1
Nominal cross section conductor (mm <sup>2</sup> )	1 mm <sup>2</sup>
Conductor material	Bare Copper
Conductor design	IEC 60228 class 5: fine-wire
Including protective ground	Yes
Number of cores	3

Shielded	No
Min. outer diameter	0.256 in
Max. outer diameter	0.303 in
Cable form	Round
Core insulation base material	Rubber
Basic material of outer jacket	Rubber
Outer jacket color	black
Core identification	Colors
Conductor color code	VDE 0293-308

### Product features

Application area	Flexible Fixed Installation
For torsional load	No
Minimum bending radius, stationary	3 x outer diameter
Minimum bending radius in inch, fixed installation	0.909 in
Minimum bending radius, occasionally moved	4 x outer diameter
Minimum bending radius in mm, occasionally moved	1.213 in
Temperature, fixed installation	-40 °C to 60 °C max. conductor temperature
Temperature, occasionally moved	-25 °C to 60 °C max. conductor temperature
Installation temperature min.	-25 °C
Storage temperature max.	-25 °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

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Oil resistance according to	EN 50363-2-1
PWIS-free	No
Permanently immersible in water	No

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**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 50525-2-21
Resistance to flame propagation tested according to UN/ECE-R118	No

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**H05RN-F**

Article No.	Name	Number of cores	Including protective ground	Nominal cross section conductor (mm <sup>2</sup> )	Min. outer diameter	Max. outer diameter	Copper index
1600250	H05RN-F 2X0,75	2	No	0.75 mm <sup>2</sup>	0.224 in	0.264 in	96.8 lb/10000 ft
1600251	H05RN-F 2X1	2	No	1 mm <sup>2</sup>	0.24 in	0.287 in	129 lb/10000 ft
1600252	H05RN-F 3G0,75	3	Yes	0.75 mm <sup>2</sup>	0.244 in	0.291 in	145.1 lb/10000 ft
1600253	H05RN-F 3G1	3	Yes	1 mm <sup>2</sup>	0.256 in	0.303 in	193.5 lb/10000 ft
16002583	H05RN-F 4G0,75	4	Yes	0.75 mm <sup>2</sup>	0.268 in	0.311 in	193.5 lb/10000 ft

V1.1