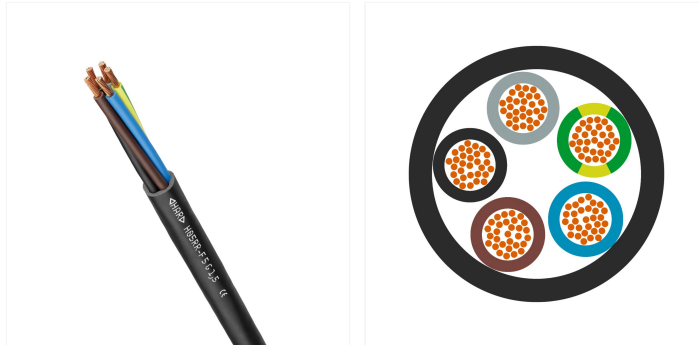


**H05RR-F 3G1****Article No.:** 1600208

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

**Details****Benefits**

- Made in accordance with harmonized European design H05RR-F, with <HAR> testing mark for proven reliability and quality.
- <HAR> cables are widely accepted and can be used in Europe.

**Application**

- For use with hand-held or power supply devices and simple tool devices.
- For flexible use.
- Can be used in dry and damp rooms.
- Suitable for light 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	193.5 lb/10000 ft

##### 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	H05RR-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	No
UV-resistant	No
Halogenfree	No
Oil resistant	No
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 50525-2-21
CPR fire class	Eca
Resistance to flame propagation tested according to UN/ECE-R118	No

---

**H05RR-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
1600200	H05RR-F 3G1,5	3	Yes	1.5 mm <sup>2</sup>	0.315 in	0.37 in	290.29 lb/10000 ft
16002013	H05RR-F 4G1,5	4	Yes	1.5 mm <sup>2</sup>	0.354 in	0.409 in	387 lb/10000 ft
16002023	H05RR-F 5G1,5	5	Yes	1.5 mm <sup>2</sup>	0.386 in	0.449 in	483.82 lb/10000 ft
1600203	H05RR-F 2X0,75	2	No	0.75 mm <sup>2</sup>	0.224 in	0.264 in	96.8 lb/10000 ft
1600204	H05RR-F 2X1	2	No	1 mm <sup>2</sup>	0.24 in	0.287 in	129.02 lb/10000 ft
1600205	H05RR-F 2X1,5	2	No	1.5 mm <sup>2</sup>	0.299 in	0.346 in	193.53 lb/10000 ft
1600207	H05RR-F 3G0,75	3	Yes	0.75 mm <sup>2</sup>	0.244 in	0.291 in	145.15 lb/10000 ft
1600208	H05RR-F 3G1	3	Yes	1 mm <sup>2</sup>	0.256 in	0.303 in	193.5 lb/10000 ft
1600209	H05RR-F 3G2,5	3	Yes	2.5 mm <sup>2</sup>	0.378 in	0.441 in	483.8 lb/10000 ft
16002123	H05RR-F 4G2,5	4	Yes	2.5 mm <sup>2</sup>	0.421 in	0.484 in	645 lb/10000 ft
16002133	H05RR-F 5G2,5	5	Yes	2.5 mm <sup>2</sup>	0.469 in	0.539 in	806.36 lb/10000 ft

V1.1