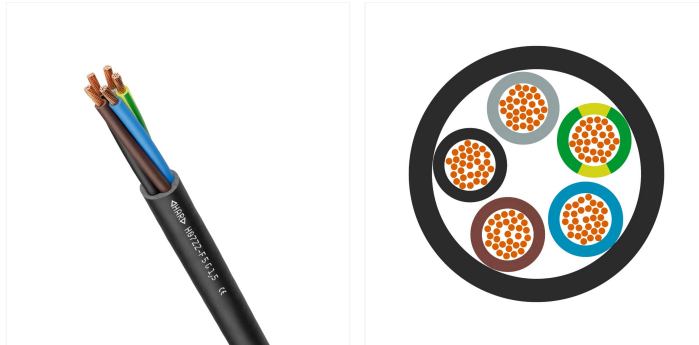


**H07ZZ-F 4G2,5**
**Article No.:** 1600821

Power and control cable; 4G2.5; HAR certified;  $U_0/U$ : 450/750 V; Rubber; Conductor identification: Colors; Flexible



## Details

### Benefits

- Halogen free conductor insulation and jacket compound to meet special fire safety requirements.
- <HAR> cables are widely accepted and can be used in Europe.

### Application

- For structured building cabling for fulfilling special fire protection requirements.
- For use with hand-held or power supply devices as well as commercial and agricultural machine tools.
- For flexible use.
- In the case of fixed and protected installation, operation is also possible up to 1000 V.
- Withstands heavy mechanical stress.
- Suitable for outdoor use.

### 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	645 lb/10000 ft

##### Electrical parameters

Nominal voltage	$U_0/U$ : 450/750 V AC rms according to IEC
test voltage	2.5 kV
Current rating according to	VDE 0298-4

##### Product design

Harmonized product type	H07ZZ-F
Cable dimension	4G2.5
Nominal cross section conductor (mm <sup>2</sup> )	2.5 mm <sup>2</sup>
Conductor material	Bare Copper
Conductor design	IEC 60228 class 5: fine-wire
Including protective ground	Yes
Number of cores	4
Shielded	No
Min. outer diameter	0.476 in
Max. outer diameter	0.547 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	4 x outer diameter
Minimum bending radius in inch, fixed installation	2.189 in
Minimum bending radius, occasionally moved	6 x outer diameter
Minimum bending radius in mm, occasionally moved	3.283 in
Temperature, fixed installation	-40 °C to 90 °C max. conductor temperature
Temperature, occasionally moved	-5 °C to 90 °C max. conductor temperature
Installation temperature min.	-5 °C
Max. assembly temperature	80 °C
Storage temperature max.	-5 °C
Storage temperature maximum	40 °C
Flame-retardant	Yes
Flame retardance according to	IEC 60332-1-2 IEC 60332-3-24
low smoke density according to	IEC 61034-2
UV-resistant	Yes
UV-resistant according to	EN 50525-1 (cables with a black jacket are suitable for permanent outdoor use)
Ozone-resistant	Yes
ozone resistant according to	EN 60811-403 EN 50396, method B
Halogenfree	Yes

Halogen-free according to	EN 50525-1 Annex B EN 50267-2-2 EN 50267-2-2
Oil resistant	Yes
Oil resistance according to	EN 50363-6
PWIS-free	No
Permanently immersible in water	No

**Certifications and standards**

CE marking	Yes
EAC certified	Yes
EAC certification number	EA3C RU C-DE.A1064.B.00091/19, EA3C RU C-DE.A1064.B.00110/20
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 50525-3-21
Resistance to flame propagation tested according to UN/ECE-R118	No

**H07ZZ-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
1600810	H07ZZ-F 3G1,5	3	Yes	1.5 mm <sup>2</sup>	0.362 in	0.425 in	290.3 lb/10000 ft
1600811	H07ZZ-F 4G1,5	4	Yes	1.5 mm <sup>2</sup>	0.402 in	0.465 in	387.05 lb/10000 ft
1600812	H07ZZ-F 5G1,5	5	Yes	1.5 mm <sup>2</sup>	0.441 in	0.504 in	483.82 lb/10000 ft
1600820	H07ZZ-F 3G2,5	3	Yes	2.5 mm <sup>2</sup>	0.429 in	0.492 in	483.8 lb/10000 ft
1600821	H07ZZ-F 4G2,5	4	Yes	2.5 mm <sup>2</sup>	0.476 in	0.547 in	645 lb/10000 ft
1600822	H07ZZ-F 5G2,5	5	Yes	2.5 mm <sup>2</sup>	0.524 in	0.594 in	806.36 lb/10000 ft
1600836	H07ZZ-F 4G4	4	Yes	4 mm <sup>2</sup>	0.551 in	0.63 in	1032 lb/10000 ft

V1.1