

## H07ZZ-F

Machines, devices; halogen-free: events, locations with a high density of people and valuable assets

H07ZZ-F, <HAR>, power and control cable, rubber, 450/750V, halogen-free, flame-retardant IEC 60332-3-24 bundle fire test, low smoke LS0H EN 61034-2

### Info

Halogen-free



Flame-retardant



Halogen-free

### Benefits

Broad usages due to halogen-free materials

According to VDE 0100-711, cables with low smoke emission are required in buildings for exhibitions, shows and stands without a fire alarm system

Type-compliant versions <HAR>-certified with "<HAR>" testing and certification mark for accelerated granting of approvals if final application of cable is within the European CENELEC area

### Application range

Stage technology

For mobile equipment and machines

According to EN 50565-2: In dry, damp and wet rooms as well as for fixed installation e.g. on the plaster

For buildings or industrial plants with a high density of people or valuable assets

### Product features

Low amount of corrosive gases in the event of fire

Flame-retardant according to IEC 60332-1-2 and bundle flame test according to IEC 60332-3-24

Low smokes/low smoke density in the event of fire according to IEC 61034

Ozone-resistant acc. to EN 50363-6, EN 60811-403, EN 50396-8.1.3

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Product Management [www.lappkabel.de](http://www.lappkabel.de)

You can find the current technical data in the corresponding data sheet.

PN 0456 / 02\_03.16

## H07ZZ-F

### Norm references / Approvals

<HAR> H07ZZ-F cable type approval according to EN 50525-3-21

### Product Make-up

Conductor made of bare copper wires

Core insulation: rubber compound, halogen-free

Outer sheath: rubber compound, halogen-free

### Technical Data

Classification ETIM 5:	ETIM 5.0 Class-ID: EC001578 ETIM 5.0 Class-Description: Flexible cable
Classification ETIM 6:	ETIM 6.0 Class-ID: EC001578 ETIM 6.0 Class-Description: Flexible cable
Core identification code:	Up to 5 cores: colour-coded according to VDE 0293-308, refer to Appendix T9 From 6 cores: black with white numbers
Conductor stranding:	Fine wire according to VDE 0295 Class 5/ IEC 60228 Class 5
Minimum bending radius:	4 to 8 x outer diameter (EN 50565-1)
Nominal voltage:	U0/U: 450/750 VAC In protected and fixed installations: U0/U: 600/1000 V
Test voltage:	2500 V
Protective conductor:	G = with GN-YE protective conductor X = without protective conductor
Current rating:	VDE 0298 Part 4 EN 50565-1/ VDE 0298-565-1
Temperature range:	Static/Moved: -40°C/-5°C ...to +90°C

### Note

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

Copper price basis: EUR 150/100 kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges.

Please find our standard lengths at: [www.lappkabel.de/en/cable-standardlengths](http://www.lappkabel.de/en/cable-standardlengths)

Packaging size: coil  $\leq$  30 kg or  $\leq$  250 m, otherwise drum

Please specify the preferred type of packaging (e.g. 1 x 500 m drum or 5 x 100 m coils).

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

Prices are net prices without VAT and surcharges. Sale to business customers only.

## H07ZZ-F

Article number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
1600810	3 G 1.5	9.2 - 10.8	43.2	125
1600811	4 G 1.5	10.2 - 11.8	57.6	155
1600812	5 G 1.5	11.2 - 12.8	72	190
1600815	14 G 1.5	18.8 - 21.3	201.6	570
1600816	18 G 1.5	20.7 - 23.3	259.2	750
1600820	3 G 2.5	10.9 - 12.5	72	185
1600821	4 G 2.5	12.1 - 13.9	96	235
1600822	5 G 2.5	13.3 - 15.1	120	290
1600823	7 G 2.5	17.1 - 19.3	168	520
1600825	14 G 2.5	22.2 - 25	336	860
1600836	4 G 4.0	14.0 - 16.0	153.6	325
1600837	5 G 4.0	15.6 - 17.6	192	410
1600841	4 G 6.0	15.7 - 17.7	230.4	440
1600842	5 G 6.0	17.5 - 19.5	288	550
1600844	4 G 10.0	20.9 - 23.3	384	770
1600845	5 G 10.0	22.9 - 25.7	480	950
1600847	4 G 16.0	23.8 - 26.4	614.4	1070
1600849	4 G 25.0	28.9 - 32.1	960	1570
1600851	4 G 35.0	32.5 - 36.1	1344	2040
1600852	4 G 50.0	37.7 - 41.5	1920	2810

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