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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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:	Fixed installation: -40°C up to +90°C Occasionally moved: -5°C up 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
Packaging size: coil ≤ 30 kg or ≤ 250 m, otherwise drum
Please specify the preferred type of packaging (e.g. 1 x 500 m drum or 5 x 100 m coils).
* Trade product, no Lapp product
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.

Article number	Number of cores and mm² 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