

H07ZZ-F

Machines, devices; Halogen-free: events, places of high person and asset concentration

H07ZZ-F «HAR»



Info

- halogen-free
- Harmonised (HAR)

Benefits

- Improved usage because of halogen-free materials
- According to VDE 0100-711 cables with low smokes are required in buildings for exhibitions, shows and stands without fire alarm system

Application range

- Stage technology
- Mobile equipment and machines
- Dry and damp interiors, temporarily outdoors: HD 516/ VDE 0298-300

Product features

- Flame retardant according to IEC 60332-1-2
- Low corrosivity of the gases in case of fire
- Low smokes
- Ozone-resistant acc. to HD 22, EN 50363-6, EN 60811-2-1, EN 50396-8.1.3

Approvals (Norm references)



Design

- Strands of bare copper wires
- Core insulation: Halogen-free rubber compound
- Outer sheath: Halogen-free rubber compound

Technical data



Core identification code

Up to 5 cores: according to VDE 0293-308 (appendix T9)
Starting at 6 cores: Black with white numbers



Approvals

VDE 0282 Part 13 / HD 22.13 S1



Conductor stranding

Fine wire according to VDE 0295 Class 5/ IEC 60228 Class 5



Minimum bending radius

Flexible use: 6 x outer diameter
Fixed installation: 4 x cable diameter



Rated voltage

U0/U: 450/750 VAC, in protected and fixed installations:
U0/U: 600/1000 V



Test voltage

2500 V



Protective conductor

G = with protective conductor GN/YE
X = without protective conductor



Current rating

According to VDE 0298 Part 4
HD 516



Range of temperature

Flexible use: -5°C up to +70°C
Fixed installation: -40°C up to +70°C

Part number	Number of cores and mm ² per conductor	Outer diameter in mm approx.	Copper index kg/km	Weight kg/km approx.
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1600810	3 G 1.5	9.2 - 11.9	43.2	125
1600811	4 G 1.5	10.2 - 13.1	57.6	155
1600812	5 G 1.5	11.2 - 14.4	72.0	190
1600815	14 G 1.5	18.8 - 21.3	201.6	570
1600816	18 G 1.5	20.7 - 26.3	259.2	750
1600820	3 G 2.5	10.9 - 14.0	72.0	185
1600821	4 G 2.5	12.1 - 15.5	96.0	235
1600822	5 G 2.5	13.3 - 17.0	120.0	290
1600823	7 G 2.5	18.2 - 20.7	168.0	520
1600825	14 G 2.5	22.2 - 25.0	336.0	860
1600836	4 G 4	14.0 - 17.9	153.6	325
1600837	5 G 4	15.6 - 19.9	192.0	410
1600841	4 G 6	15.7 - 20.0	230.4	440
1600842	5 G 6	17.5 - 22.2	288.0	550
1600844	4 G 10	20.9 - 26.5	384.0	770
1600845	5 G 10	22.9 - 29.1	480.0	950
1600847	4 G 16	23.8 - 30.1	614.4	1,070
1600849	4 G 25	28.9 - 36.6	960.0	1,570
1600851	4 G 35	32.5 - 41.1	1,344.0	2,040
1600852	4 G 50	37.7 - 47.5	1,920.0	2,810

Copper price basis: EUR 150 / 100 kg; For utilization and definition of 'Metal price basis' and 'Metal index' see Appendix T17

Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths

Packaging size: Coil ≤ 30 kg and ≤ 250 m, otherwise drum

Please specify the desired packaging size (e.g. 1 x 500 m drum or 5 x 100 m coils)

Comparable products

- H07RN-F see page 76

Accessories

- EASY STRIP 2 stripping and cutting tool see page 906
- PWE 8.87 crimping pliers see page 920
- KS 20 cable shears see page 904
- SKINTOP® CLICK / CLICK-R see page 643