



H07Z1-K

Harmonised; halogen-free to protect human life, the environment and material assets



Info

- CPR: Article number choice under www.lappkabel.com/cpr
- Halogen-free and harmonised (HAR) up to +70°C
- For expanded ambient temperatures and higher conductor cross-sections see H07Z-K 90°C

Benefits

- Protection of human life and the environment thanks to the avoidance of the formation of acid in case of fire
- Time-saving assembly

Application range

- For wiring of lamps, devices, switchgear cabinets and distribution boxes
- For installation in tubes, on, in and under plaster as well as in closed installation ducts
- In building with a high density of people or valuable assets
- For use in dry rooms
- For expanded ambient temperatures and higher conductor cross-sections see H07Z-K 90°C

Product features

- The insulation material is halogen-free and free of other materials which could release toxic gases in the event of fire
- Low amount of corrosive gases in the event of fire
- Low smokes/low smoke density in the event of fire according to IEC 61034
- Flame-retardant according IEC 60332-1-2

Norm references / Approvals

- <HAR> cable type certification acc. EN 50525-3-31

Product Make-up

- Fine-wire strand made of bare copper wires
- Core insulation: Halogen-free

Technical data

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

Minimum bending radius
According to EN 50565-1
OD ≤ 8 mm: 4 x OD* / 2 x OD**;
8 < OD ≤ 12 mm: 5 x OD* / 3 x OD**;
OD > 12 mm: 6 x OD* / 4 x OD**

Nominal voltage
U0/U: 450 / 750 V

Test voltage
2500 V

Current rating
VDE 0298-4
EN 50565-1/ VDE 0298-565-1

Temperature range
During installation: +5°C up to +70°C
Fixed installation: -40°C up to +70°C

Conductor cross-section (mm ²)	Outer diameter [mm]	m/ring	Copper index (kg/km)	Weight (kg/km)	brown	black	grey
1.5	2.8 - 3.4	100	14.4	20	4724061	4724060	4724062
2.5	3.4 - 4.1	100	24	32	4724066	4724065	4724067
4	3.9 - 4.8	100	24	45	4724071	4724070	4724072
6	4.4 - 5.3	100	58	65	4724076	4724075	4724077
10	5.7 - 6.8	100	96	110	4724081	4724080	4724082
16	6.7 - 8.1	100	154	170	4724086	4724085	4724087

Conductor cross-section (mm ²)	Outer diameter [mm]	m/ring	Copper index (kg/km)	Weight (kg/km)	blue	green/yellow
1.5	2.8 - 3.4	100	14.4	20	4724063	4724064
2.5	3.4 - 4.1	100	24	32	4724068	4724069
4	3.9 - 4.8	100	24	45	4724073	4724074
6	4.4 - 5.3	100	58	65	4724078	4724079
10	5.7 - 6.8	100	96	110	4724083	4724084
16	6.7 - 8.1	100	154	170	4724088	4724089

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.
Packaging size: Coil ≤ 30 kg, otherwise drum
Photographs and graphics are not to scale and do not represent detailed images of the respective products.
*for conventional use, **for careful bending; „OD“ = outer diameter

Similar products

- ÖLFLEX® HEAT 125 SC refer to page 196
- H07Z-K 90°C refer to page 226