



H05Z1-K

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

i Info

- CPR: Article number choice under www.lappkabel.com/cpr
- Halogen-free and harmonised (HAR) up to +70°C
- For expanded ambient temperatures see H05Z-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 see H05Z-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
4 x outer diameter (OD) for normal use;
2 x OD for cautions bending
- Nominal voltage**
U0/U: 300/500 V
- Test voltage**
2000 V AC
- 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 (mm²)	Outer diameter [mm]	m/ring	Copper index (kg/km)	Weight (kg/km)	brown	black	grey
0.75	2.2 - 2.7	100	7.2	11	4724051	4724050	4724052
1	2.4 - 2.8	100	9.6	14	4724056	4724055	4724057

Conductor cross-section (mm²)	Outer diameter [mm]	m/ring	Copper index (kg/km)	Weight (kg/km)	blue	green/yellow
0.75	2.2 - 2.7	100	7.2	11	4724053	4724054
1	2.4 - 2.8	100	9.6	14	4724058	4724059

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.

Similar products

- ÖLFLEX® HEAT 125 SC refer to page 196
- H05Z-K 90°C refer to page 225