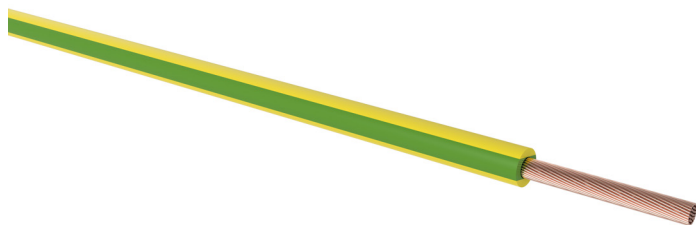


# H05Z-K

Insulated wire, halogen-free, fine wire

## DESIGN



- 1 | Copper conductor, fine wire (-K)
- 2 | Core insulation (XLPE)

## APPLICATION

For fixed installation in conduits on or under plaster. Suitable for protected installation in and on lighting facilities or control devices. Suitable for hotels, hospitals, underground railways, airports etc. to protect people and technical building equipment in the event of fire.

## TECHNICAL DATA



**Standard:**  
EN 50525-3-41



**Rated voltage:**  
300/500 V (U<sub>0</sub>/U)



**Test voltage:**  
2 kV / 50 Hz



**Temperature range:**  
 laying temperature: min. 5 °C  
 operating temperature: -5 °C up to 90 °C  
 conductor temperature: max. 90 °C  
 short circuit temperature: max. 250 °C/5 s



**Bending radius (min.):**  
 5 x Ø of wire (fixed installed)  
 12 x Ø of wire (free motion)



**Core identification:**  
HD 308 S2



**Fire properties:**  
 EN 60332-1-2: flame retardant  
 EN 60754-1 and 2: halogen-free; non-corrosive combustion gases  
 EN 61034-2: low smoke emission  
 CPR classification: E<sub>ca</sub>

Nominal cross-section (mm <sup>2</sup> )	Core colours	Max. conductor resistance (Ω/km)	Outer diameter (mm) appr.	Total weight (kg/km) appr.	Standard lengths/ packing (m)
<b>H05Z-K</b>					
0.5	bk, bn, bu, gy, gnye	36	2.2	9	100 R
0.75	bk, gnye	24.5	2.4	12	100 R
1	bk, bn, rd, bu, vt	18.1	2.6	14	100 R

Technical changes reserved. All figures are therefore without guarantee.

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