4725001	DATA SHEET	LAPP
valid from: 28.09.2021	H05Z-K 90°C	

Application

H05Z-K is a halogen-free, low smoke cable with cross-linked insulation and low emission of corrosive gases. For internal wiring of machine tools, for wiring of lamps and especially for applications where low smoke density and low emission of corrosive gases are required in case of fire.
Application range:
Suitability for the laying inside of conduits installed on or under plaster in case of signal and control current circuits only.

Design

Design	acc. to EN 50525-3-41
Certification	The cable is marked with the ⊲HAR⊳ HAR-sign or HAR-identification thread.
Conductor	fine-wire copper conductor acc. to IEC 60228 resp. EN 60228, class 5
Insulation	halogen-free, cross-linked compound EI 5 acc. to EN 50363-5
Core identification code	different colours

Electrical properties at 20 °C

Nominal voltage	U_0/U: 300/500 V
Test voltage	2000 V AC

Mechanical and thermal properties

Minimum bending radius	at intended use: 4 x outer diameter at cautious bending: 2 x outer diameter
Temperature range	Fixed installation: -40°C to +90°C During installation: -5 °C to +90 °C
Flammability	acc. to IEC 60332-1-2 resp. EN 60332-1-2
Halogen free	acc. to EN 50525-1, appendix B; EN 60754-1
Corrosivity of gases	acc. to IEC EN 60754-2 resp. EN 60754-2
Smoke density	acc. to EN 61034-2
Tests	acc. to IEC 60811 resp. EN 60811, EN 50395 and EN 50396
General requirements	These cables are conform to the EU Directive 2014/35/EU (Low Voltage Directive)
Environmental information	These cables meet the substance-specific requirements of the EU Directive 2011/65/EU (RoHS).
Note	Trade product, no Lapp product

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