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Industrial Cables (Harmonized code)

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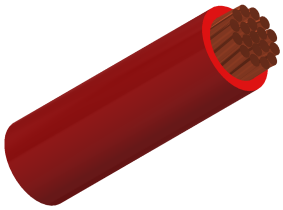
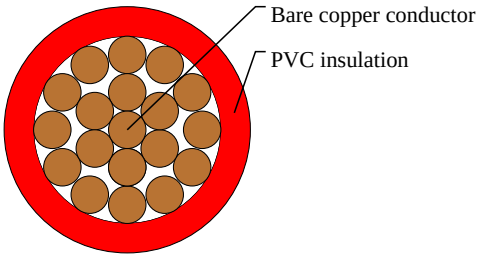
H07V2-K UL





APPLICATIONS

H07V2-K UL are internationally approved harmonized, UL/CSA and AWM/MTW approved PVC European flexible single-conductor wires with increased temperature range for HAR/IEC and higher working voltage for UL-AWM. Due to these increases it is suitable for use in connections and internal wirings of frequency converters. Can be found in appliance wiring and machine tool wiring as well as in control systems. They may also be used in pipes and flexible conduits. Recommended for the internal wiring of apparatus, switchboards and distributor boards in electronic and electrical equipment designed for international use in North American & European countries and for MRO replacement of international made equipment wire.

STANDARDS

<HAR> HD 21.7 S2
<HAR> H05V2-K
VDE-0281 Part-3
UL-Standard and Approval 1063 MTW
UL-AWM Style 10269
CSA TEW
CSA-AWM 1 A/B
FT-1
CE Low Voltage Directive 73/23/EEC and 93/68/EEC
ROHS compliant

VOLTAGE RATING

450/750V

CABLE CONSTRUCTION

- Fine tinned copper strands
- Strands to VDE-0295 Class-5, IEC 60228 Class-5
- Special PVC core insulation
- Cores to VDE-0293 colors on chart

PHYSICAL AND THERMAL PROPERTIES

- Working voltage UL(MTW) & CSA: 600v

- Working voltage UL (AWM): 1000v
- Test voltage: 2500 volts (4000 volts UL)
- Flexing/Static bending radius: 10-15 x Ø
- Temperature HAR/IEC: -40º to +90º C
- Temperature UL-AWM: -40º to +105º C
- Temperature UL-MTW: -40º C to +90º C
- Temperature CSA-TEW: -40º C to +105º C
- Flame retardant: IEC 60332.1, FT-1, UL VW-1
- Insulation resistance: 20 MΩ x km

DIMENSION AND PARAMETERS

No. of Cores × Cross-sectional Area	AWG Size	Nominal Insulation Thickness	Approx. Overall Diameter	Nominal Copper Weight	Approx. Weight
No.×mm²		mm	mm	kg/km	kg/km
1 x 50	1(400/26)	1.4	14.1	480	600