



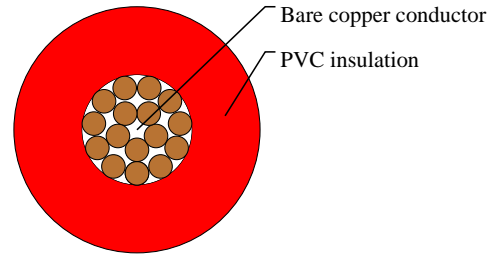
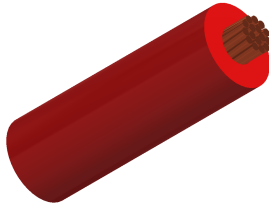
Caledonian

Industrial Cables (German Standard)

www.caledonian-cables.com

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H05V2-K UL



APPLICATIONS

H05V2-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

HD 21.7 S2

VDE-0281 Part-3

UL-Standard and Approval 1063 MTW

UL-AWM Style 10269

CSA TEW

CSA-AWM 1 A/B

FT-1

VOLTAGE RATING

300/500V

CABLE CONSTRUCTION

- Fine tinned copper strands
- Strands to VDE-0295 Class-5, IEC 60228 Class-5
- Special PVC core insulation

COLOUR CODE

Insulation Colour Code

Colour coded to VDE 0293 colors

Single core - Black, Blue, Green/Yellow, Red, Yellow, White, Violet, Brown, Grey, Orange, Pink

PHYSICAL AND THERMAL PROPERTIES



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- 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: -40° to +90° C
- Temperature UL-AWM: -40° to +105° C
- Temperature UL-MTW: -40° C to +90° C
- Temperature CSA-TEW: -40° C to +105° 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. × mm ²		mm	mm	kg/km	kg/km
1 x 0.5	20(16/32)	0.6	2.5	4.8	11