H05V-K UL / H07V-K UL
- UL/CSA/HAR/MTW & UL1015 PVC

Application and Description

H05VK UL / H07V-K UL are internationally approved harmonized, UL/CSA and AWM/MTW approved PVC European flexible single-conductor wires. 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.

Standard and Approval

UNE 21031, <HAR> HD 21.7 S2, VDE-0281 Part-3,UL-Standard and Approval 1063 MTW, UL-AWM Style 1015, CSA TEW, CSA-AWM I A/B, FT-1, CE Low Voltage Directive 73/23/EEC and 93/68/EEC, ROHS compliant

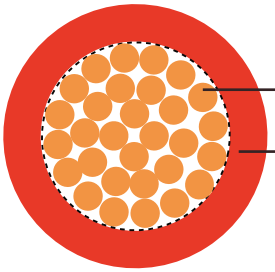
Cable Construction

- Fine tinned copper strands
- Strands to VDE-0295 Class-5, IEC 60228 Class-5, HD383 Class-5
- Special PVC TI3 core insulation
- Cores to VDE-0293 colors
- H05V-K UL (22, 20 & 18 AWG)
- H07V-K UL (16 AWG and Larger)
- X05V-K UL & X07V-K UL for non-HAR colors

H07V-K

Technical Characteristics

- Working voltage: 300/500v (H05V-K UL)
- Working voltage: 450/750v (H07V-K UL)
- Working voltage UL/CSA: 600v AC, 750v DC.
- Test voltage: 2500 volts
- Flexing/Static bending radius: 10-15 x Ø
- Temperature HAR/IEC: -40º to +70º C



H07V-K

- 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
- Insulation resistance: 20 MΩ x km

Cable Parameter

AWG	No. of Cores x Nominal Cross Sectional Area # *x mm²*	Nominal Thickness of Insulation *mm*	Nominal Overall Diameter *mm*	Nominal Copper Weight *kg/Km*	Nominal Weight *kg/ Km*
H05V-K					
20(16/32)	1 x 0.5	0.6	2.5	4.9	11
18(24/32)	1 x 0.75	0.6	2.7	7.2	14
17(32/32)	1 x 1	0.6	2.9	9.6	17
H07V-K					
16(30/30)	1 x 1.5	0,7	3.1	14.4	20
14(50/30)	1 x 2.5	0,8	3.7	24.0	32
12(56/28)	1 x 4	0,8	4.4	38.0	45
10(84/28)	1 x 6	0,8	4.9	58.0	63
8(80/26)	1 x 10	1,0	6.8	96.0	120
6(128/26)	1 x 16	1,0	8.9	154.0	186
4 (200/26)	1 x 25	1,2	10.1	240	261
2 (280/26)	1 x 35	1,2	11.4	336	362
1 (400/26)	1 x 50	1,4	14.1	480	539
2/0 (356/24)	1 x 70	1,4	15.8	672	740
3/0 (485/24)	1 x 95	1,6	18.1	912	936
4/0 (614/24)	1 x 120	1,6	19.5	1152	1184