



H05V2-K / H07V2-K

Application and Description

These special heat-resistant flexible single-conductor hook-up wires are ideal for use in power current installation, switch cabinets, motors and transformers which are subject to direct contact with high temperature (e.g. varnishing machines and drying towers etc.). These are also suitable for inside wiring of electrical equipments such as lighting and heating apparatus.

Standard and Approval

HD 21.7 S2, VDE-0281 Part-7, CE Low Voltage Directive 73/23/EEC and 93/68/EEC, ROHS compliant

Cable Construction

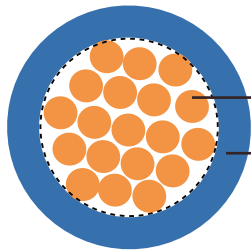
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- Fine bare copper strands
 - Strands to VDE-0295 Class-5, IEC 60228 Class-5, BS 6360 cl. 5 and HD 383
 - Special heat resistant PVC T13 core insulation to DIN VDE 0281 part 7
 - Cores to VDE-0293 colors
 - H05V2-K (20, 18 & 17 AWG)
 - H07V2-K (16 AWG and Larger)
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Technical Characteristics

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- Working voltage: 300/500v (H05V2-K)/ 450/750v (H07V2-K)
 - Working voltage: - Test voltage: 2000 volts
 - Flexing bending radius: 10-15 x Ø
 - Static bending radius: 10-15 x Ø
 - Flexing temperature: +5° C to +90° C
 - Static temperature: -10° C to +105° C
 - Short circuit temperature: +160° C
 - Flame retardant: IEC 60332.1
 - Insulation resistance: 20 MΩ x km
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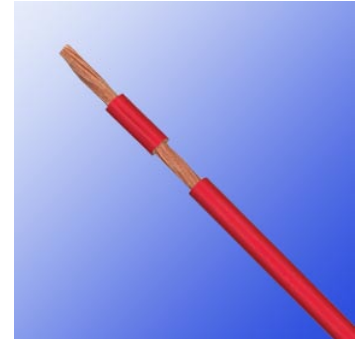
German Standard (VDE)



Bare copper conductor

PVC insulation

H05V2-K



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Cable Parameter

AWG	No. of Cores x Nominal Cross Sectional Area # x mm ²	Nominal Thickness of Insulation mm	Nominal Overall Diameter mm	Nominal Copper Weight kg/km	Nominal Cable Weight kg/km
H05V2-K					
20(16/32)	1 x 0.5	0.6	2.5	4.8	8.7
18(24/32)	1 x 0.75	0.6	2.7	7.2	11.9
17(32/32)	1 x 1	0.6	2.8	9.6	14.0
H07V2-K					
16(30/30)	1 x 1.5	0,7	3.4	14.4	20
14(50/30)	1 x 2.5	0,8	4.1	24	33.3
12(56/28)	1 x 4	0,8	4.8	38	48.3
10(84/28)	1 x 6	0,8	5.3	58	68.5
8(80/26)	1 x 10	1,0	6.8	96	115
6(128/26)	1 x 16	1,0	8.1	154	170
4(200/26)	1 x 25	1,2	10.2	240	270
2(280/26)	1 x 35	1,2	11.7	336	367
1(400/26)	1 x 50	1,4	13.9	480	520
2/0(356/24)	1 x 70	1,4	16	672	729
3/0(485/24)	1 x 95	1,6	18.2	912	962
4/0(614/24)	1 x 120	1,6	20.2	1115	1235
300 MCM (765/24)	1 x 150	1,8	22.5	1440	1523
350 MCM (944/24)	1 x 185	2,0	24.9	1776	1850
500MCM(1225/24)	1 x 240	2,2	28.4	2304	2430