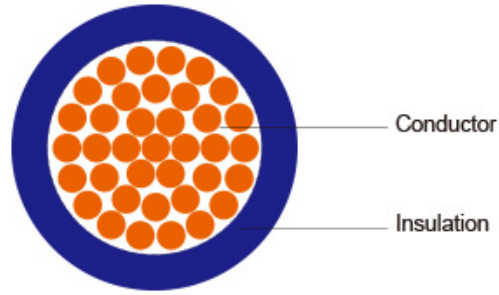


German Standard Industrial Cables H05V2-K / H07V2-K



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
CEI 20-20, CEI20-52
VDE-0281 Part-7
CE Low Voltage Directive 73/23/EEC and 93/68/EEC
ROHS compliant

Cable Construction

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 TI3 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)

Technical Characteristics

WORKING VOLTAGE: 300/500v (H05V2-K)/ 450/750v (H07V2-K)
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
FLAME RETARDANT: IEC 60332.1
INSULATION RESISTANCE: 20 MΩ x km

Cable Parameter

AWG	NO. OF CORES X NOMINAL CROSS SECTIONAL AREA	NOMINAL THICKNESS OF INSULATION	NOMINAL OVERALL DIAMETER	NOMINAL COPPER WEIGHT	NOMINAL WEIGHT
	# X MM ²	MM	MM	KG/KM	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