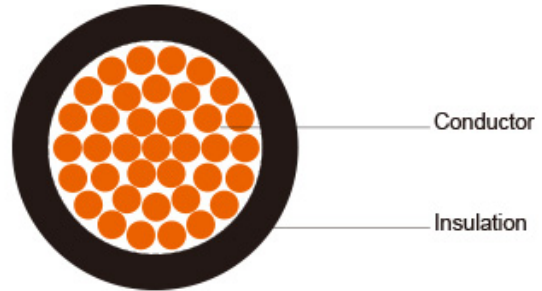


**German Standard Industrial Cables H05G-K/H07G-K**



**Application and Description**

These cables are recommended for the internal wiring of switchboards and distributor boards as well as 1000V. or direct nominal voltage of 750V. These cables are all allowed for laying in tubes in and under plaster.

**Standard and Approval**

HD 22.7 S2  
VDE-0282 Part-7  
CEI 20-19/7  
CEI 20-35(EN60332-1)  
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  
Rubber compound type EI3 (EVA) to DIN VDE 0282 part 7 insulation  
Cores to VDE-0293 colors

**Technical Characteristics**

WORKING VOLTAGE: 300/500v (H05G-K) ; 450/750v (H07G-K)  
TEST VOLTAGE: 2000volts (H05G-K) ; 2500 volts (H07G-K)  
FLEXING BENDING RADIUS: 7 x Ø  
STATIC BENDING RADIUS: 7 x Ø  
FLEXING TEMPERATURE: -25 °C to +110 °C  
STATIC TEMPERATURE: -40 °C to +110 °C  
FLAME RETARDANT: IEC 60332.1  
INSULATION RESISTANCE: 10 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 <sup>2</sup>	MM	MM	KG/KM	KG/KM
H05G-K					
20(16/32)	1 x 0.5	0.6	2.3	4.8	13
18(24/32)	1 x 0.75	0.6	2.6	7.2	16
17(32/32)	1 x 1	0.6	2.8	9.6	22
H07G-K					
16(30/30)	1 x 1.5	0.8	3.4	14.4	24
14(50/30)	1 x 2.5	0.9	4.1	24	42
12(56/28)	1 x 4	1.0	5.1	38	61

10(84/28)	1 x 6	1.0	5.5	58	78
8(80/26)	1 x 10	1.2	6.8	96	130
6(128/26)	1 x 16	1.2	8.4	154	212
4(200/26)	1 x 25	1.4	9.9	240	323
2(280/26)	1 x 35	1.4	11.4	336	422
1(400/26)	1 x 50	1.6	13.2	480	527
2/0(356/24)	1 x 70	1.6	15.4	672	726
3/0(485/24)	1 x 95	1.8	17.2	912	937
4/0(614/24)	1 x 120	1.8	19.7	1152	1192