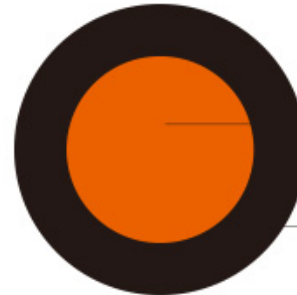


German Standard Industrial Cables H05G-U/H07G-U/R



Conductor

Insulation



Conductor

Insulation

Application and Description

These cables are recommended for the internal wiring of switchboards and distributor boards as well as in operating parts in or on lights. The higher temperature range allows for connections to heaters with an alternating nominal voltage of 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

Solid bare copper / strands
Strands to VDE-0295 Class-1/2, IEC 60228 Class-1/2
Rubber compound type EI3 (EVA) to DIN VDE 0282 part 7 insulation
Cores to VDE-0293 colors

Technical Characteristics

WORKING VOLTAGE: 300/500v (H05G-U) ; 450/750v (H07G-U/R)
TEST VOLTAGE: 2000volts (H05G-U) ; 2500 volts (H07G-U/R)
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
SHORT CIRCUIT TEMPERATURE: +160 °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 ²	MM	MM	KG/KM	KG/KM
H05G-U					
20	1 x 0.5	0.6	2.1	4.8	9
18	1 x 0.75	0.6	2.3	7.2	12
17	1 x 1	0.6	2.5	9.6	15
H07G-U					
16	1 x 1.5	0.8	3.1	14.4	21

14	1 x 2.5	0.9	3.6	24	32
12	1 x 4	1.0	4.3	38	49
H07G-R					
10(7/18)	1 x 6	1.0	5.2	58	70
8(7/16)	1 x 10	1.2	6.5	96	116
6(7/14)	1 x 16	1.2	7.5	154	173
4(7/12)	1 x 25	1.4	9.2	240	268
2(7/10)	1 x 35	1.4	10.3	336	360
1(19/13)	1 x 50	1.6	12.0	480	487