

H05G-K / H07G-K

<HAR>



H05G-K / H07G-K are harmonized heat-resistant rubber European flexible single-conductor wires. 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.



Construction:

- Fine bare copper strands
- Strands to VDE-0295 Class-5, IEC 60228 Cl-5
- Special rubber core insulation
- Cores to VDE-0293 colors on chart
- H05G-K (20, 18 & 17 AWG)
- H07G-K (16 AWG and Larger)
- X05G-K & X07G-K for non-HAR colors

Technical:

- Working voltage: 300/500v (H05G-K)
- Working voltage: 450/750v (H07G-K)
- Test voltage: 2000/2500 volts
- Flexing bending radius: 7 x Ø
- Static bending radius: 7 x Ø
- Flexing temp: -25° C to +110° C
- Static temp: -40° C to +110° C
- Flame retardant: IEC 60332.1
- Insulation resistance: 10 MΩ x km

Approvals:

- <HAR> HD 22.7 S2
- VDE-0282 Part-7
- CE Low Voltage Directive 73/23/EEC and 93/68/EEC
- ROHS compliant

PART NUMBER	CORES	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
20 AWG (16/32) 0,50mm2 31020**	1	.091" / 2.3mm	3	9
18 AWG (24/32) 0,75mm2 31018**	1	.102" / 2.6mm	5	11
17 AWG (32/32) 1,00mm2 31017**	1	.110" / 2.8mm	7	15
16 AWG (30/30) 1,50mm2 31016**	1	.134" / 3.4mm	9	16
14 AWG (50/30) 2,50mm2 31014**	1	.161" / 4.1mm	16	28
12 AWG (56/28) 4,0mm2 31012**	1	.201" / 5.1mm	25	41
10 AWG (84/28) 6,0mm2 31010**	1	.217" / 5.5mm	39	52
8 AWG (80/26) 10,0mm2 31008**	1	.268" / 6.8mm	64	87
6 AWG (128/26) 16,0mm2 31006**	1	.331" / 8.4mm	103	142
4 AWG (200/26) 25,0mm2 31004**	1	.390" / 9.9mm	161	217
2 AWG (280/26) 35,0mm2 31002**	1	.449" / 11.4mm	225	283
1 AWG (400/26) 50,0mm2 31001**	1	.520" / 13.2mm	322	353
2/0 AWG (356/24) 70,0mm2 31021**	1	.606" / 15.4mm	451	487
3/0 AWG (485/24) 95,0mm2 31031**	1	.677" / 17.2mm	612	628
4/0 AWG (614/24) 120,0mm2 31041**	1	.776" / 19.7mm	773	800

Color Code Chart

- 00 - Green/Yellow
- 01 - Black
- 02 - Blue (RAL5015)
- 03 - Brown
- 04 - Red
- 05 - White
- 06 - Gray
- 07 - Violet
- 08 - Pink
- 09 - Orange
- 11 - Yellow (Non HAR)
- 12 - Green (Non HAR)

Insert a 2-digit color code from the Color Code Chart for the ** found at the end of the proper part number.

i.e. - 3102003 - H05G-K, 20 AWG (0,50mm2) Brown, OR 3101405 - H07G-K, 14 AWG (2,50mm2) White

* Additional AWG sizes & colors may be available.