

# Heat resistant wire

## H07G-K tinned



**Application:** For installation in pipes on, in and under plaster as well as in closed cable ducts and for internal wiring of devices, switching and distribution system with ambient temperatures over 55 °C.

### Construction and technical data:

<b>Standard:</b>	EN 50525-2-42
<b>Conductor material:</b>	tinned copper
<b>Conductor construction:</b>	Class 5 = flexible
<b>Insulation:</b>	rubber EI3
<b>Flame-retardant:</b>	VDE 0482-266-2-4/IEC 60332-3-24 (Cat. C)
<b>UV-resistant:</b>	yes
<b>Oil-resistant:</b>	yes
<b>Max. temperature at conductor, °C:</b>	110 °C
<b>Permitted outer cable temperature, fixed, °C:</b>	-40 - +110 °C
<b>Permitted outer cable temperature, moved, °C:</b>	-25 - +110 °C
<b>Bending radius, fixed installation:</b>	6 x Ø



The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.

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<b>Nominal voltage U<sub>0</sub>:</b>	450 V
<b>Nominal voltage U:</b>	750 V
<b>Test voltage:</b>	2.5 kV

part no.	part name	RI [Ohm/km]	l <sub>bl</sub> [A]	Ø [mm]	Cu	G [kg]
041438	H07G-K 01X25 vz BK	0.795	129	9.2	240	254
041439	H07G-K 01X35 vz BK	0.565	158	9.9	336	344
041440	H07G-K 01X50 vz BK	0.393	198	12.3	480	495
041441	H07G-K 01X70 vz BK	0.277	245	14.1	672	683
041442	H07G-K 01X95 vz BK	0.21	292	16.6	912	903
041443	H07G-K 01X120 vz BK	0.164	344	17.7	1152	1130
041444	H07G-K 01X150 vz BK	0.132	391	19.9	1440	1415

part no.	part name	RI [Ohm/km]	Ibl [A]	Ø [mm]	Cu	G [kg]
041445	H07G-K 01X185 vz BK	0.108	448	22.6	1776	1730
041446	H07G-K 01X240 vz BK	0.0817	528	24.5	2304	2259
041447	H07G-K 01X300 vz BK	0.0654	608	27.9	2880	2780

RI	Conductor resistance
Ibl	Ampacity in air (30 °C)
Ø	outer diameter approx.
Cu	Copper weight (GER)
G	net weight per 1000