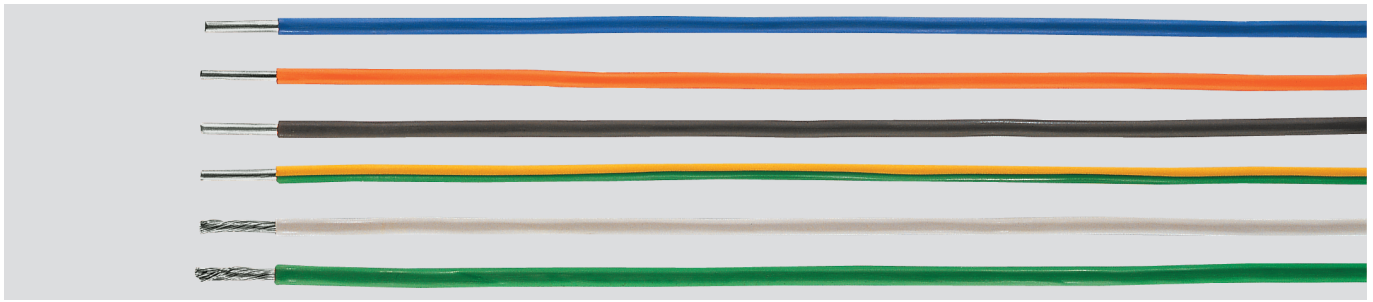


# H05G-U / -K / H07G-U / -R / -K



## Technical data

- Heat-resistant single-core to DIN VDE 0285-525-2-42 / DIN EN 50525-2-42
- Permissible **operating temperature** at conductor +110°C
- **Temperature range** flexing up to -5°C fixed installation up to -40°C
- **Nominal voltage**  
H05G =  $U_0/U$  300/500 V  
H07G =  $U_0/U$  450/750 V
- **Test voltage**  
H05G = 2000 V  
H05G = 2500 V
- **Minimum bending radius** fixed installation  
core  $\varnothing \leq 8$  mm: 4x core  $\varnothing$   
core  $\varnothing > 8-12$  mm: 5x core  $\varnothing$   
core  $\varnothing > 12$  mm: 6x core  $\varnothing$

## Cable structure

### H05G-U / -K / H07G-U / -R

- Tinned copper conductor, to DIN VDE 0295, IEC 60228, BS 6360 class 1: single-wire class 2: multi-wire class 5: fine wire
- Separating foil over conductor permitted
- Core insulation of rubber compound type EI3 (EVA) to DIN VDE 0207-363-1 / DIN EN 50363-1

### H07G-K

- Tinned copper conductor, to DIN VDE 0295 cl.5, fine wire, BS 6360 cl.5, IEC 60228 cl.5
- Separating foil over conductor
- Core insulation of rubber compound type EI3 (EVA) to DIN VDE 0207-363-1 / DIN EN 50363-1

## Note

- Please complete the part number for these cores by adding the suffix for the colour required as per the list:  
00 = green  
01 = black  
02 = blue  
03 = brown  
04 = grey  
05 = orange  
06 = pink  
07 = turquoise  
08 = white  
09 = violet  
10 = yellow  
11 = green-yellow
- Colours green and yellow only in 07G-U / -R / -K available.
- AWG sizes are approximate equivalent values. The actual cross section is in mm<sup>2</sup>.

## Application

### H05G-U / -K / H07G-U / -R / -K

Single core must not come into contact with water.

### H05G-U / -K

For internal wiring of devices and operational equipment.

### H07G-U / -R / -K

For use in electrical installation pipe, as well as in the ducting for electrical installations to be opened or closed.

CE = Product conforms with Low-Voltage Directive 2014/35/EU.

### H05G-U (single wire)

Part no.	Cross-section mm <sup>2</sup>	Outer Ø min. - max. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.
541xx	0,5	1,9 - 2,4	4,8	10,0	20
542xx	0,75	2,1 - 2,6	7,2	15,0	18
543xx	1	2,2 - 2,8	9,6	16,0	17

### H05G-K (fine wire)

Part no.	Cross-section mm <sup>2</sup>	Outer Ø min. - max. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.
550xx	0,5	2,1 - 2,6	4,8	13,0	20
551xx	0,75	2,2 - 2,8	7,2	16,0	18
552xx	1	2,4 - 2,9	9,6	22,0	17

### H07G-U (single wire)

Part no.	Cross-section mm <sup>2</sup>	Outer Ø min. - max. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.
544xx	1,5	2,8 - 3,5	14,4	24,0	16
545xx	2,5	3,4 - 4,3	24,0	35,0	14
546xx	4	4,0 - 5,0	38,0	53,0	12

### H07G-R (multi wire)

Part no.	Cross-section mm <sup>2</sup>	Outer Ø min. - max. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.
547xx	6	4,7 - 5,9	58,0	72,0	10
548xx	10	6,0 - 7,4	96,0	123,0	8
549xx	16	6,8 - 8,5	154,0	184,0	6

### H07G-K (fine wire)

Part no.	Cross-section mm <sup>2</sup>	Outer Ø min. - max. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.
553xx	1,5	3,0 - 3,7	14,4	24,0	16
554xx	2,5	3,6 - 4,5	24,0	42,0	14
555xx	4	4,3 - 5,4	38,0	61,0	12
556xx	6	4,8 - 6,0	58,0	78,0	10
557xx	10	6,0 - 7,6	96,0	130,0	8
558xx	16	7,1 - 8,9	154,0	212,0	6
559xx	25	8,8 - 11,0	240,0	323,0	4
560xx	35	10,1 - 12,6	336,0	422,0	2
561xx	50	11,9 - 14,9	480,0	527,0	1
562xx	70	13,6 - 17,0	672,0	726,0	2/0
563xx	95	15,5 - 19,3	912,0	937,0	3/0
564xx	120	17,1 - 21,4	1152,0	1192,0	4/0

Dimensions and specifications may be changed without prior notice. (RK01)