



Technical data

- Heat-resistant (+120 °C) rubber-insulated cable to DIN VDE 0282 part 7 and HD 22.7 S2
- Max. permissible **operating temperature** at conductor +110 °C
- **Lowest ambient temperatures** flexing up to -25 °C fixed installation up to -40 °C
- **Nominal voltage**
H05G U₀/U 300/500 V
H07G U₀/U 450/750 V
- **Test voltage**
H05G 2000 V
H05G 2500 V
- **Minimum bending radius**
approx. 7x cable ø

Cable structure

- Tinned copper conductor to DIN VDE 0295 and IEC 60228, BS 6360 and HD 383 single wire, solid: class 1 multi stranded wires: class 2 fine wires: class 5
- Rubber core insulation, compound type EI3 (EVA) to DIN VDE 0282 part 7 (ΔDIN VDE 0207 part 20)
- Separating layer over tinned conductor is optional
- Core identification to DIN VDE 0293
- Standard colour black

Properties

- Single core colours green and yellow can only be applied where the safety regulations are allowed
- The identification for the lighting chain cable is green permitted

Note

- AWG sizes are approximate equivalent values. The actual cross-section is in mm².
- Please quote the individual part-no. in your order with the codes for core colours of the key-positions.
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
- bare conductor on request

Application

For inside wiring of switch boards and distributors as well as of operating parts such as in or on lights, for the connection of electric heaters with a nominal voltage up to 1000 V alternating voltage or up to 750 V direct voltage against ground. The cables are all allowed for laying in tubes, on and under the plaster.

CE The product is conformed with the EC Low-Voltage Directive 2006/95/EG.

H05G-U (single wire)

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

H05G-K (fine wire)

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

H07G-U (single wire)

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

H07G-K (fine wire)

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

H07G-R (multi wire)

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

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