

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



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 construction

- Bare (or 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 (Δ DIN VDE 0207 part 20)
- Separating layer over bare conductor (for 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

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 73/23/EEC and 93/68/EEC.

H05G-U (single wire)

Part No.	Cross-sec. mm ²	Outer ø ca. mm	Outer ø max. mm	Cop. weight kg / km	Weight ca. 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 ca. mm	Outer ø max. mm	Cop. weight kg / km	Weight ca. 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 ca. mm	Outer ø max. mm	Cop. weight kg / km	Weight ca. 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 ca. mm	Outer ø max. mm	Cop. weight kg / km	Weight ca. 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 ca. mm	Outer ø max. mm	Cop. weight kg / km	Weight ca. 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.