

# CONTROL AND CONNECTION CABLES

## GAALFLEX® CONTROL H05V2-K/MTW/TEW GAALFLEX® CONTROL H07V2-K/MTW/TEW

PVC insulated single conductor 300/500 V, 450/750 V and 600 V for UL/CSA



ELETTROTEK KABEL® H05V2-K/MTW/TEW

### Construction:

**Conductor:** flexible tinned copper conductor Cl. 5, acc to IEC 60228, DIN VDE 0295

**Outer sheath:** black (RAL 9005), special PVC compound for the other coloration, see technical data (PAG.468)

### Resistance:



**Flame retardant and Self-extinguishing acc. to:**  
DIN VDE 0482 part 265-2-1  
EN 50265-2-1  
IEC 60332-1-2  
UL1581 UL VW-1, CSA FT 1

### Technical data:

**Nominal voltage:**

**DIN VDE**

*H052V-K:* U<sub>0</sub>/U 300/500 V

*H07V2-K:* U<sub>0</sub>/U 450/750 V

**UL/CSA:** 600 V

**Test voltage:** 2,5 kV

**Temperature range**

*Fixed laying:* **DIN VDE:** -40°C up to +90°C  
**UL/CSA:** up to +105°C

*Flexible application:* **DIN VDE:** -5°C up to +90°C  
**UL/CSA:** up to +105°C

**Min. bending radius:**

*Fixed laying:* 5 x d

*Flexible application:* 10 x d

### Features:

flexible conductor

harmonized acc. to European standards

<HAR> H052V-K, H07V2-K

MTW 1063 (machine tool wire) acc. to NFPA 70

CSA TEW (thermoplastic Equipment Wire) 105°C

AWM style 1015 105°C 600 V  
CSA type TEW 105°C 600 V FT1 CE

(<sup>U</sup>) type MTW or AWM style 1015 105°C 600 V  
VW1 CSA type TEW 105°C 600 V FT1 CE

RoHS and CE approval



#### H05V2-K UL/CSA/CE

Part no.	AWG no. *)	Outer-Ø ca.mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	No. of cores x cross section n x mm <sup>2</sup>
31350F01010A24	22/7	2,3	3,5	7	0,35
31350F01010A22	22	2,5	4,8	9	0,55
31350F01010A20	20	2,7	7,2	11	0,83
31350F01010A18	18	2,9	9,6	14	1

#### H07V2-K UL/CSA/CE

Part no.	AWG no. *)	Outer-Ø ca.mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	No. of cores x cross section n x mm <sup>2</sup>
31350F01010A16	16	3,1	14,4	19	1,5
31350F01010A14	14	3,6	24	31	2,5
31350F01010A12	12	4,2	38,4	46	4
31350F01010A10	10	4,8	58	66	6
31350F01010A08	8	6,5	96	112	10
31350F01010A04	4	9,8	240	267	25
31350F01010A02	2	11,3	336	346	35
31350F01010A4C	4/0	19,2	1152	1277	120

#### 07V2-K UL/CSA/CE

Part no.	AWG no. *)	Outer-Ø ca.mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	No. of cores x cross section n x mm <sup>2</sup>
31350F01010A06	6	8,6	154	187	16
31350F01010A01	1	13,5	480	516	50
31350F01010A2C	2/0	15,6	672	707	70
3 1350F01010A3C	3/0	17,8	912	935	95

Other dimensions and colors available on request.