

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: U₀/U 300/500 V

H07V2-K: U₀/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

on request green/yellow acc. to NFPA 79 2018 Edition

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

(^{UL}) 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 ² |
|----------------|------------|---------------------|---------------------|----------------------------|--|
| 31350F01010A24 | 24 | 2,3 | 2,3 | 6 | 0,23 |
| 31350F01010A22 | 22 | 2,4 | 3,5 | 7 | 0,35 |
| 31350F01010A21 | 21 | 2,5 | 4,8 | 9 | 0,50 |
| 31350F01010A19 | 19 | 2,7 | 7,2 | 12 | 0,75 |
| 31350F01010A18 | 18 | 2,9 | 9,6 | 16 | 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 ² |
|----------------|------------|---------------------|---------------------|----------------------------|--|
| 31350F01010A16 | 16 | 3,1 | 14,4 | 24 | 1,5 |
| 31350F01010A14 | 14 | 3,7 | 24 | 33 | 2,5 |
| 31350F01010A12 | 12 | 4,2 | 38,4 | 42 | 4 |
| 31350F01010A10 | 10 | 4,8 | 58 | 65 | 6 |
| 31350F01010A08 | 8 | 6,3 | 96 | 110 | 10 |
| 31350F01010A04 | 4 | 9,7 | 240 | 260 | 25 |
| 31350F01010A02 | 2 | 11 | 336 | 380 | 35 |

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 ² |
|----------------|------------|---------------------|---------------------|----------------------------|--|
| 31350F01010A06 | 6 | 8,2 | 154 | 175 | 16 |
| 31350F01010A01 | 1 | 13,5 | 480 | 500 | 50 |
| 31350F01010A2C | 2/0 | 15,6 | 672 | 770 | 70 |
| 31350F01010A3C | 3/0 | 17,8 | 912 | 1105 | 95 |
| 31350F01010A4C | 4/0 | 19,4 | 1152 | 1351 | 120 |

Other dimensions and colors available on request.