

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

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.