

# 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:

<b>CONDUCTOR:</b>	FLEXIBLE TINNED COPPER CONDUCTOR CL. 5, ACC. TO IEC 60228, DIN VDE 0295
<b>OUTER SHEATH:</b>	BLACK (RAL 9005), SPECIAL PVC COMPOUND FOR THE OTHER COLORATION, SEE TECHNICAL DATA (PAG. 169)

## 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

## 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

## 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

(<sup>UL</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	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 <sup>2</sup>
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 <sup>2</sup>
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 dimension and colours available on request.