

EUROPEAN STANDARDIZED CABLES

**H05V-K/MTW/TEW
H07V-K/MTW/TEW**

Harmonized PVC hook up wire tri rated
300/500 volts and 450/750 volts



600 V AWM Style 1015/10519 105°C 600V VW1 CSA Type TEW 105°C 600V FT1

Marking for H05V-K/MTW/TEW 31660150: SAB BRÖCKSKES · D-VIERSEN ·

◁ VDE ▷ ▷ HAR ▷ H05V-K (UL) Type MTW 90°C 600 V AWM Style 1015/10519 105°C 600V VW1 CSA Type TEW 105°C 600V FT1 ◁

A one standard product with all the required approvals for the North American and European markets. Recommended for use in electronic and electrical equipment designed for North America and Europe.

Construction:

Conductor:	tinned copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 5
Insulation:	PVC T11 acc. to DIN VDE 0281 part 1 + HD 21.1
H05V-K:	HAR/UL/CSA/CE from 20 AWG - 18 AWG 05V-K from 26 AWG - 18 AWG
H07V-K:	HAR/UL/CSA/CE from 16 AWG - 2 AWG 07V-K from 16 AWG - 4/0 AWG
Color:	black

Outstanding features:

- flexing single conductor
- harmonized acc. to European standards
- MTW (Machine Tool Wire)
- TEW (Thermoplastic Equipment Wire)

Technical data:

Nominal voltage H05V-K:	DIN VDE U ₀ /U 300/500 V	UL/CSA 600 V
Nominal voltage H07V-K:	DIN VDE U ₀ /U 450/750 V	UL/CSA 600 V
Testing voltage H05V-K:	2000 V acc. to DIN VDE 0281 part 2 + HD 21.2	
Testing voltage H07V-K:	2500 V acc. to DIN VDE 0281 part 2 + HD 21.2	
Min. bending radius:	4 x O.D.	
Temperature range	DIN VDE	UL-AWM/CSA (UL) MTW
<i>static:</i>	-40/+70 °C	up to +105°C up to +90°C
<i>flexing:</i>	+5/+70 °C	up to +105°C up to +90°C
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 and EN 60332-1-2, UL VW-1 and CSA FT1	
Absence of harmful substances:	acc. to RoHS-guideline 2002/95/EG as well as GefStoffV appendix IV-no. 24, see page N/25	

05V-K / MTW / TEW - UL / CSA / CE

item no.	mm ²	AWG	nominal inch	outer-ø mm	cable weight ≈ lbs/mft
▶ 3166 .. 14*	0.14	26 (18/38)	0.079	2.0	4
▶ 3166 .. 25*	0.25	24 (14/34)	0.087	2.2	5
▶ 3166 .. 34*	0.34	22 (7/30)	0.091	2.3	6

Other colors are possible on request.

H07V-K / MTW / TEW - HAR / UL / CSA / CE

item no.	mm ²	AWG	nominal inch	outer-ø mm	cable weight ≈ lbs/mft
▶ 3167 .. 82*	1.50	16 (27/30)	0.122	3.1	13
▶ 3167 .. 84*	2.50	14 (46/30)	0.146	3.7	22
▶ 3167 .. 86*	4.00	12 (52/28)	0.169	4.3	34
▶ 3167 .. 87*	6.00	10 (70/20)	0.189	4.8	44
▶ 3167 .. 88*	10.00	8 (77/26)	0.268	6.8	81
▶ 3167 .. 89*	16.00	6 (119/26)	0.358	9.1	142
▶ 3167 .. 90*	25.00	4 (196/26)	0.417	10.6	204
▶ 3167 .. 91*	35.00	2 (280/26)	0.465	11.8	274

Other colors are possible on request.

H05V-K / MTW / TEW - HAR / UL / CSA / CE

item no.	mm ²	AWG	nominal inch	outer-ø mm	cable weight ≈ lbs/mft
▶ 3166 .. 50*	0.50	20 (15/32)	0.098	2.5	7
▶ 3166 .. 75*	0.75	19 (23/32)	0.106	2.7	9
▶ 3166 .. 80*	1.00	18 (30/32)	0.110	2.8	11

Other colors are possible on request.

07V-K / MTW / TEW - UL / CSA / CE

item no.	mm ²	AWG	nominal inch	outer-ø mm	cable weight ≈ lbs/mft
▶ 3167 .. 92*	50.00	1 (400/26)	0.598	15.2	403
▶ 3167 .. 93*	70.00	2/0 (554/26)	0.638	16.2	531
▶ 3167 .. 94*	95.00	3/0 (484/24)	0.760	19.3	717
▶ 3167 .. 95*	120.00	4/0 (589/24)	0.819	20.8	858

Other colors are possible on request.

* Color code for single conductors:

01 = black	08 = white
02 = blue	09 = orange
03 = brown	11 = red
04 = gray	17 = pink
07 = violet	27 = green-yellow

E-mail: info@sabcable.com



Web site: www.sabcable.com