

European Standardized Cables

05V-K

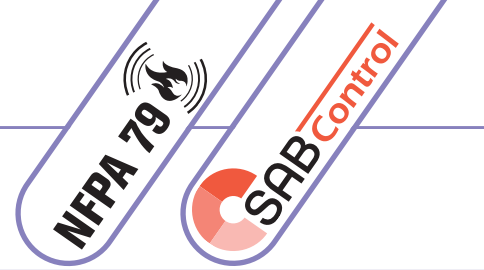
PVC hook-up wire tri-rated, 300/500 V

H07V-K/MTW/TEW

Harmonized PVC hook-up wire tri-rated, 450/750 V

07V-K/MTW/TEW

PVC hook-up wire tri-rated, 450/750 V



00V AWM Style 1015/10519 105°C 600V VW-1 CSA Type TEW 105°C 600V FT1 CE



Marking for H07V-K/MTW/TEW 31670182:

SAB BRÖCKSKES · D-VIERSEN · H07V-K 1.5mm² 16 AWG (UL) Type MTW 600V AWM Style 1015/10519 105°C 600V VW-1 CSA Type TEW 105°C 600V FT1 CE

Construction:

Conductor:	tinned copper strands acc. to IEC 60228, VDE 0295, class 5
Insulation:	PVC, T12 acc. to EN 50363-3 + VDE 0207-363-3
Color code:	see color code chart below

Outstanding features:

- flexing single conductor
- harmonized acc. to European standards
- MTW (Machine Tool Wire)
- TEW (Thermoplastic Equipment Wire)
- 05V-K, H07V-K & 07V-K:
with reference to BS 6231 type BK
- NFPA 79 for industrial machinery
- 20, 19, 18, 6 to 4/0 AWG insulation
thickness is larger than HAR
specification. (now marked 07V-K)

Technical data:

Nominal voltage:	05V-K U ₀ /U 300/500 V	H07V-K & 07V-K U ₀ /U 450/750 V
Voltage UL/CSA:	600 V	
Testing voltage:	05V-K 2000 V	H07V-K & 07V-K 2500 V
Min. bending radius:	4 x O.D.	
Temperature range:	DIN VDE static: flexible:	UL-AWM/CSA up to +105°C up to +105°C
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2, UL VW-1, CSA FT1	
Approvals:	05V-K/MTW/TEW: 05V-K/MTW/TEW: H07V-K/MTW/TEW: 07V-K/MTW/TEW:	
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30	

300/500V

05V-K/AWM/TEW - UR AWM/CSA/CE

item no.	mm ²	AWG	outer-ø inch	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

Other colors are available on request

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

item no.	mm ²	AWG	outer-ø inch	mm	cable weight ≈lbs/mft
▶ 3166 .. 34	0.34	22 (≈ 7/30)	0.091	2.3	5
▶ 3166 .. 50	0.50	20 (≈ 16/32)	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	10

Other colors are available on request

Color code for single conductors:

01 = black	06 = green ¹	16 = dark blue
02 = blue	07 = violet	17 = pink
03 = brown	08 = white	27 = green/yellow
04 = gray	09 = orange	32 = blue/white ¹
05 = yellow ¹	11 = red	63 = white/blue ¹

¹ Not <HAR> approved for all sizes for these colors

450/750V

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

item no.	mm ²	AWG	outer-ø inch	mm	cable weight ≈lbs/mft
▶ 3167 .. 82	1.50	16 (≈ 27/30)	0.122	3.1	13
▶ 3167 .. 84	2.50	14 (≈ 46/30)	0.142	3.6	20
▶ 3167 .. 86	4.00	12 (≈ 52/28)	0.165	4.2	30
▶ 3167 .. 87	6.00	10 (≈ 78/28)	0.185	4.7	42
▶ 3167 .. 88	10.00	8 (≈ 77/26)	0.260	6.6	76

Other colors are available on request

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

item no.	mm ²	AWG	outer-ø inch	mm	cable weight ≈lbs/mft
▶ 3167 .. 89	16.00	6 (≈ 122/26)	0.331	8.4	126
▶ 3167 .. 90	25.00	4 (≈ 190/26)	0.398	10.1	181
▶ 3167 .. 91	35.00	2 (≈ 272/26)	0.453	11.5	251
▶ 3167 .. 92	50.00	1 (≈ 400/26)	0.543	13.8	371
▶ 3167 .. 93	70.00	2/0 (≈ 543/26)	0.634	16.1	494
▶ 3167 .. 94	95.00	3/0 (≈ 484/24)	0.717	18.2	659
▶ 3167 .. 95	120.00	4/0 (≈ 589/24)	0.791	20.1	808

Other colors are available on request