



## H05V-K/MTW/TEW PVC insulated wiring cable

## H07V-K/MTW/TEW PVC insulated single conductor



1,0 mm<sup>2</sup> 18 AWG (UL) Type MTW 600V AWM Style 1015/10519 105°C 600V VW1 CSA Type TEW 105°C 600V

Marking for H05V-K/MTW/TEW 31660150:  
 SAB BRÖCKSKES · D-VIERSEN · < VDE > < HAR > H05V-K 1,0 mm<sup>2</sup> 18 AWG (UL)  
 Type MTW 600V AWM Style 1015/10519 105°C 600V VW1 CSA Type TEW 105°C 600V FT1 CE

### Construction:

<b>Conductor:</b>	tinned copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 5
<b>Insulation:</b>	PVC, T11 acc. to VDE 0207-363-3 + EN 50363-3
<b>Colour:</b>	black (RAL 9005)

### Outstanding features:

- **H05V-K: 300/500 V**
- **H07V-K: 450/750 V**
- **flexible conductor**
- **harmonised acc. to European standards**
- **MTW (Machine Tool Wire)**
- **TEW (Thermoplastic Equipment Wire)**
- **NFPA 79 for industrial machinery**
- **EAC approval**
- **H07V-K: with reference to BS 6231 type BK**

### Technical data:

<b>Nominal voltage H05V-K:</b>	<b>DIN VDE</b> U <sub>o</sub> /U 300/500 V	<b>UL/CSA</b> 600 V
<b>Nominal voltage H07V-K:</b>	<b>DIN VDE</b> U <sub>o</sub> /U 450/750 V	<b>UL/CSA</b> 600 V
<b>Testing voltage H05V-K:</b>	2000 V acc. to EN 50395	
<b>Testing voltage H07V-K:</b>	2500 V acc. to EN 50395	
<b>Min. bending radius:</b>	4 x d	
<b>Temperature range</b>	<b>DIN VDE</b>	<b>UL-AWM/CSA</b>
<i>fixed laying:</i>	-40/+70 °C	up to +105°C
<i>flexible application:</i>	+5/+70 °C	up to +105°C
<b>Fire performance:</b>	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + EN 60332-1-2, UL VW-1, CSA FT1	
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page N/17	

#### H05V-K/MTW/TEW

#### UL/CSA/CE

item no.	nominal cross section mm <sup>2</sup>	largest single wire ø mm	outer-ø approx. mm	copper figure kg/km	cable weight ≈ kg/km
31660114*	0,14	0,11	2,0	1,3	6
31660125*	0,25	0,16	2,2	2,4	7
31660134	0,34	0,16	2,3	3,3	9

\*without MTW  
 Other dimensions and colours are possible on request.

#### H07V-K/MTW/TEW

#### HAR/UL/CSA/CE

item no.	nominal cross section mm <sup>2</sup>	largest single wire ø mm	outer-ø approx. mm	copper figure kg/km	cable weight ≈ kg/km
31670182	1,50	0,26	3,1	14,4	20
31670184	2,50	0,26	3,7	24,0	32
31670186	4,00	0,31	4,3	38,4	50
31670187	6,00	0,31	4,8	57,6	66
31670188	10,00	0,41	6,8	96,0	121
31670189	16,00	0,41	9,1	153,6	211
31670190	25,00	0,41	10,6	240,0	303
31670191	35,00	0,41	11,8	336,0	407
31670192	50,00	0,41	15,2	480,0	600
31670193	70,00	0,41	16,2	672,0	790
31670194	95,00	0,51	19,3	912,0	1067
31670195	120,00	0,51	20,8	1152,0	1277

Other dimensions and colours are possible on request.

#### H05V-K/MTW/TEW

#### HAR/UL/CSA/CE

item no.	nominal cross section mm <sup>2</sup>	largest single wire ø mm	outer-ø approx. mm	copper figure kg/km	cable weight ≈ kg/km
31660150	0,50	0,21	2,5	5,1	11
31660175	0,75	0,21	2,7	7,2	14
31660180	1,00	0,21	2,8	9,6	16

Other dimensions and colours are possible on request.