



H05V-K/MTW/TEW PVC insulated wiring cable H07V-K/MTW/TEW PVC insulated single conductor



1,0 mm² 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 · <1 VDE > <1 HAR > H05V-K 1,0 mm² 18 AWG (UL)
Type MTW 600V AWM Style 1015/10519 105°C 600V VW1 CSA Type TEW 105°C 600V FT1 CE

Construction:

Conductor:	tinned copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 5
Insulation:	PVC, T11 acc. to VDE 0207-363-3 + EN 50363-3
Colour:	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:

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