

Control and connection cables

MEGA 147/H05V2-K/H05V-K PVC insulated wiring cable

MEGA 157/H07V2-K/H07V-K PVC insulated single conductor



/10519 105°C 600V VW-1 E172204 CSA Type TEW 105°C 600V FT1 LL104758 CE



Marking for H05V2-K 31470150:

SAB BRÖCKSKES · D-VIERSEN · < VDE > < HAR > H05V2-K H05V-K 0,5 mm² 20 AWG

AWM Style 1015 105°C 600V E172204 CSA Type TEW 105°C 600V FT1 LL104758 CE

Construction:

Conductor:	tinned copper strands acc. to IEC 60228, VDE 0295, class 5
Insulation:	PVC, TI3 acc. to EN 50363-3 + VDE 0207-363-3
Colour:	black (RAL 9005)

Outstanding features:



- **H05V2-K: 300/500 V**
- **H07V2-K: 450/750 V**
- **HAR standardized, UL recognized, CSA approved**
- **flexible conductor**
- **harmonised acc. to European standards**

Technical data:

Nominal voltage:	H05V2-K/H05V-K: U ₀ /U 300/500 V	H07V2-K/H07V-K: U ₀ /U 450/750 V
Voltage UL/CSA:	600 V	
Testing voltage H05V2-K/H05V-K:	2000 V	
Testing voltage H07V2-K/H07V-K:	2500 V	
Min. bending radius		
<i>fixed laying:</i>	4 x d	
<i>flexible application:</i>	6 x d	
Temperature range	DIN VDE	UL/CSA: up to +105 °C
<i>fixed laying:</i>	-40/+90 °C	
<i>flexible application:</i>	+5/+90 °C	
Fire performance:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2, UL VW-1, CSA FT1	
Absence of harmful substances:	acc. to RoHS directive of the European Union, see chapter N „Technical data“	

MEGA 147 – 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
31470114	0,14	0,11	2,0	1,3	6
31470125	0,25	0,16	2,2	2,4	7
31470134	0,34	0,16	2,3	3,3	9

Other dimensions and colours are possible on request.

MEGA 157 – 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
31570192	50,00	0,41	15,2	480,0	600
31570193	70,00	0,41	16,2	672,0	790
31570194	95,00	0,51	19,3	912,0	1067
31570195	120,00	0,51	20,8	1152,0	1277

Other dimensions and colours are possible on request.

MEGA 147/H05V2-K/H05V-K – 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
31470150	0,50	0,21	2,5	5,1	11
31470175	0,75	0,21	2,7	7,2	14
31470180	1,00	0,21	2,8	9,6	16

Other dimensions and colours are possible on request.

MEGA 157/H07V2-K/H07V-K – 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
31570182	1,50	0,26	3,1	14,4	20
31570184	2,50	0,26	3,7	24,0	32
31570186	4,00	0,31	4,3	38,4	50
31570187	6,00	0,31	4,8	57,6	66
31570188	10,00	0,41	6,8	96,0	121
31570189	16,00	0,41	9,1	153,6	211
31570190	25,00	0,41	10,6	240,0	303
31570191	35,00	0,41	11,8	336,0	407

Other dimensions and colours are possible on request.