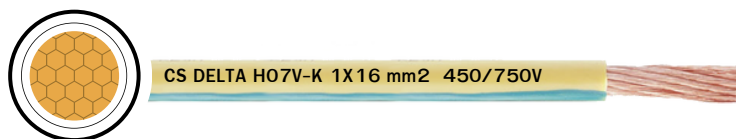


H05V-K 300/500V 70°C
H07V-K 450/750V 70°C
H07V2-K 450/750V 105°C
PVC Insulated, single core



Application

- This cable is suitable for permanent installation in conduit and as wiring of switchboard cabinet
- Use for general purpose
- For installation in raceway

Construction

Conductor : Bare copper(BC), fine wire according to VDE 0295
Class 5 / or tinned copper (TC) on request)

Insulation : Special PVC insulated to IEC 60227

Bending radius : 4 x cable diameter

Flame retardant : IEC 60332-1

Electrical & Technical Data

- **H05V-K** **Working Voltage** : 300/500 V
(IEC06) **Test Voltage** : 2000 V
Temp. range : -5°C to 70°C
- **H07V-K** **Working Voltage** : 450/750 V
(IEC02) **Test Voltage** : 2500 V
Temp. range : -5°C to 70°C
- **H07V2-K** **Working Voltage** : 450/750 V
(IEC 02) **Test Voltage** : 2500 V / 3500V
Temp. range : -5°C to 105°C

Color



Black / Light blue / Sky Blue / Blue / Yellow / Red / Grey / Light Brown / Brown / Purple / Green / Orange / White / Green-Yellow / Blue-White

Reference Standard



TIS 11-2533 PART3



H05V-K 300/500V 70°C
H07V-K 450/750V 70°C
H07V2-K 450/750V 105°C

PVC Insulated, single core



H05V-K IEC06 (300/500V)						
Cross Section	Conductor Make-up	Outer Diameter approx.	Cable Weight approx.	DC Resistance at 20°C Conductor (Max)	Insulation Thickness	Current-Carrying Capacity at 30°C (in air) (Max)
(mm ²)	(No of wires x diameter)	(mm)	(kg/km)	(Ω/km)	(mm)	(A)
0.5	12x 0,25	2,5	21,6	39,0	0,6	3
0.75	16 x 0,25	2,7	32	26,0	0,6	6
1	22 x 0,25	2,8	49,5	19,5	0,6	10

H07V-K / H07V2-K IEC02 (450/750V)						
Cross Section	Conductor Make-up	Outer Diameter approx.	Cable Weight approx.	DC Resistance at 20°C Conductor (Max)	Insulation Thickness	Current-Carrying Capacity at 30°C (in air) (Max)
(mm ²)	(No of wires x diameter)	(mm)	(kg/km)	(Ω/km)	(mm)	(A)
1.5	30 x 0,25	3,1	21,6	13,30	0,7	24
2.5	50 x 0,25	3,7	32	7,980	0,8	32
4	56 x 0,30	4,3	49,5	4,950	0,8	41
6	84 x 0,30	4,9	69	3,300	0,8	53
10	80 x 0,40	6,3	116	1,410	1	72
16	126 x 0,40	7,4	175	1,210	1	97
25	196 x 0,40	9,1	270	0,780	1,2	128
35	276 x 0,40	10,5	371	0,554	1,2	156
50	396 x 0,40	12,4	527	0,386	1,4	195
70	360 x 0,50	14,1	716	0,272	1,4	243
95	475 x 0,50	16,3	969	0,206	1,6	285
120	608 x 0,50	17,9	1208	0,161	1,6	342
150	756 x 0,50	20	1508	0,129	1,8	386
185	925 x 0,50	22,2	1860	0,106	2	441
240	1221 x 0,50	25,1	2403	0,0801	2,2	520
300	1530 x 0,50	28	3003	0,0641	2,4	605
400	2035 x 0,50	32	3972	0,0486	2,6	725