



CABLE STRUCTURE

Conductor	Electrolytic annealed, class 5 stranded plain copper wires (tinned conductor on request)
Insulation	PVC compound, Type TII (EN 50363-3)
Color	All colors available

MAIN CHARACTERISTICS

Construction	EN 50525-2-31, IEC 60227-3
General Requirements	EN 50525-1, HD 21.9 S2, EN 50575
Guide to Use	EN 50565-1/2
Electrical Tests	EN 50395
Non - electrical Tests	EN 50396
Conductor Resistance	IEC 60228, VDE 0295
Flame Retardant	IEC 60332-1-2

OPERATING CHARACTERISTICS

Rated Voltage	H05V-K 300/500V H07V-K 450/750 V (U_0/U)
AC Test Voltage	2 kV
Working Temperature (Without mechanical shocks)	-30°C to +70°C
Conductor Short-Circuit Temp.	160°C (Maximum allowable time 5 sec)
Min. Installation Temp.	5°C
Min. Bending Radius	EN 50565-1 Tab. 3
Current Carrying Capacities	VDE 0298-4 Tab. 3 & Tab. 11 IEC 60364-5-52 Tab. B52.2 & B52.4 & B52.10

APPLICATIONS

They are used as installation cables in various electronic equipments and in switchboards. They can be used on and under plaster or must be laid in pipes.



H05V-K

Cross Section (mm ²)	Nominal Overall Diameter (mm)	Approximate Weight (kg / km)	Min.Bending Radius (fixed installation) (mm)	Max. Resistance of Conductors at 20°C (ohm / km)
1x0,50	2,10	9	8	39,00
1x0,75	2,30	12	9	26,00
1x1	2,50	14	10	19,50

H07V-K

Cross Section (mm ²)	Nominal Overall Diameter (mm)	Approximate Weight (kg / km)	Min.Bending Radius (fixed installation) (mm)	Max. Resistance of Conductors at 20°C (ohm / km)
1x1,5	2,90	19	12	13,30
1x2,5	3,55	30	14	7,98
1x4	4,05	46	16	4,95
1x6	4,60	63	18	3,30
1x10	6,10	108	24	1,91
1x16	7,10	161	28	1,21
1x25	9,20	250	46	0,780
1x35	10,10	339	51	0,554
1x50	12,00	475	60	0,386
1x70	13,90	678	83	0,272
1x95	15,90	885	95	0,206
1x120	17,60	1118	106	0,161
1x150	19,40	1390	116	0,129
1x185	21,70	1692	130	0,106
1x240	25,00	2280	150	0,0801
1x300	27,80	2819	167	0,0641