H05V-K / H07V-K

CABLE STRUCTURE

Conductor	Electrolytic annealed, class 5 stranded plain copper wires (tinned conductor on request)
Insulation	PVC compound, Type TI1 (EN 50363-3)

STANDARDS & 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	450/750 V
AC Test Voltage	H05V-K 300/500V I H07V-K 450/750 V (U0/U)
Working Temperature (Without mech. 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

VISUAL AND MARKING

Marking Text	Marking Text
Print Color	White
Jacket Color	Black

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.

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Cross Section (mm²)	Overall Diameter (mm)	Weight (kg/km)	Min. Bending Radius (mm)	Max. Resistance at 20°C (?/km)
1x0.75	2.30	12	9	26.0000
1x1	2.50	14	10	19.5000
1x1.5	2.90	19	12	13.3000
1x2.5	3.55	30	14	7.9800
1x4	4.05	46	16	4.9500
1x6	4.60	63	18	3.3000