



CABLE STRUCTURE

Conductor	Electrolytic annealed, class 5 stranded plain copper wires (tinned conductor on request)
Insulation	Halogen-Free compound, T17 type (EN 50363-7)
Color	All colors available

MAIN CHARACTERISTICS

Construction	EN 50525-3-31
General Requirements	EN 50525-1, EN 50575
Guide to Use	EN 50565-1/2
Electrical Tests	EN 50395
Non - electrical Tests	EN 50396
Conductor Resistance	IEC 60228, VDE 0295, BS 6360
Flame Retardant	IEC 60332-1-2, IEC 60332-3-24 Cat C
Halogen Content	IEC 60754-1/2
Smoke Density	IEC 61034-1/2

OPERATING CHARACTERISTICS

Rated Voltage	H05Z1-K - 300/500V H07Z1-K 450/750 V
AC Test Voltage	2,5 kV
Operating Temperature	-30°C to +70°C
Conductor Short-Circuit Temp.	160°C
Min. Installation Temp.	-5°C
Min. Bending Radius	EN 50565-1 Tab. 3
Current Carrying Capacities	VDE 0298-4 Tab. 5 & Tab. 11, IEC 60364-5-52 Tab. B52.2 & B52.4 & B52.10

APPLICATIONS

They are used as installation cables in distribution boards, switchboards and various appliances in closed areas when higher safety required in case of fire. They can be used on and under plaster or must be laid in pipes.



FLAME RETARDANT



HALOGEN-FREE



LOW SMOKE

H05ZI-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	39,0
1x0,75	2,30	12	9	26,0
1x1	2,50	15	10	19,5

H07ZI-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	13,3
1x2,5	3,55	31	14	7,98
1x4	4,05	46	16	4,95
1x6	4,60	63	18	3,3
1x10	6,10	108	24	1,91
1x16	7,10	161	28	1,21
1x25	9,20	251	46	0,780
1x35	10,10	340	51	0,554
1x50	12,00	477	60	0,386
1x70	13,90	680	83	0,272
1x95	15,90	888	95	0,206
1x120	17,60	1121	106	0,161
1x150	19,40	1393	116	0,129
1x185	21,70	1696	130	0,106
1x240	25,00	2285	150	0,0801
1x300	27,80	2825	167	0,0641