

CONSTRUCTION

- 1 Copper conductor (class 5)
- 2 LSZH insulation



SPECIFICATIONS

Code : H05Z1-K I H07Z1-K
 Standards : HD 21.15
 Rated Voltage : $U_0/U=450/750$ V

Application :
 These cables are used in densely populated places such as hospitals, schools, shopping centers and public buildings to secure human lives. In case of fire risk, heavy smoke and corrosive harmful gases "which are suffocative and dangerous" are not released from insulation of the cable. Can be used in steady installations over and under plaster and in conduit.



Temperature Range



Max. Operating Temperature



Short Circuit Temperature



Flame Retardant IEC 60332 -1-2



Flame Retardant IEC 60332 -3-24 Cat.C



Halogen Free IEC 60754-1/2



Low Smoke Emission IEC 61034-1/2



Min. Bending Radius



RoHS

PHYSICAL AND ELECTRICAL PROPERTIES

Nominal cross-section	Overall diameter approx.	Net weight approx.	Delivery length	Conductor DC resistance at 20°C	Current carrying capacity in (30°C)	
					Conduit	In the wall
mm ²	mm	kg/km	m	/ km (max.)	A	A
0,75	2.4	11	100	26	9	11
1	2.5	14	100	19,5	11	14
1,5	2.9	20	100	13,3	15	18
2,5	3.6	31	100	7,98	20	24
4	4.2	45	100	4,95	26	32
6	4.8	66	100	3,3	34	41
10	6.2	109	100	1,91	46	57
16	7.4	164	100	1,21	61	76
25	9.2	251	100	0,78	80	101
35	10.4	350	1000	0,554	99	125
50	12.4	500	1000	0,386	119	151
70	14.6	680	1000	0,272	151	192
95	16.6	900	1000	0,206	182	232
120	18.8	1150	1000	0,161	210	269
150	21.0	1420	1000	0,129	240	-
185	23.0	1720	1000	0,106	273	-
240	26.0	2350	1000	0,0801	320	-