



## CONSTRUCTION

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



## SPECIFICATIONS

Code : H07Z1-U | H07Z1-R  
 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  
Compliant

## PHYSICAL AND ELECTRICAL PROPERTIES

Nominal cross-section mm <sup>2</sup>	Overall diameter (approx.) mm	Net weight (approx.) kg/km	Delivery length m	Conductor DC resistance at 20°C Ω / km (max.)	Current carrying capacity in (30°C)	
					Conduit A	Wall A
1,5 re	2.8	20	100	12,1	15	18
2,5 re	3.4	31	100	7,41	20	24
4 re	3.8	46	100	4,61	26	32
6 re	4.3	65	100	3,08	34	41
1,5 rm	3.0	21	100	12,1	15	18
2,5 rm	3.6	33	100	7,41	20	24
4 rm	4.1	48	100	4,61	26	32
6 rm	4.7	69	100	3,08	34	41
10 rm	6.0	114	1000	1,83	46	57
16 rm	7.0	170	1000	1,15	61	76
25 rm	8.4	260	1000	0,727	80	101
35 rm	9.4	355	1000	0,524	99	125
50 rm	11.0	482	1000	0,387	119	151
70 rm	12.6	675	1000	0,268	151	192
95 rm	14.6	925	1000	0,193	182	232
120 rm	16.1	1160	1000	0,153	210	269
150 rm	18.0	1450	1000	0,124	240	-
185 rm	20.0	1780	1000	0,0991	273	-
240 rm	22.8	2330	1000	0,0754	320	-