



HALOGEN FREE FLAME RETARDANT CABLES

H07Z-U | H07Z-R

CONSTRUCTION

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



SPECIFICATIONS

Code : H07Z-U | H07Z-R
 Standards : HD 22.9 BS7211
 Rated Voltage : U_o/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 mm ²	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	19	23
2,5 re	3.4	31	100	7,41	26	31
4 re	3.8	46	100	4,61	35	42
6 re	4.3	65	100	3,08	45	54
1,5 rm	3.0	21	100	12,1	19	23
2,5 rm	3.6	33	100	7,41	26	31
4 rm	4.1	48	100	4,61	35	42
6 rm	4.7	69	100	3,08	45	54
10 rm	6.0	114	1000	1,83	61	75
16 rm	7.0	170	1000	1,15	81	100
25 rm	8.4	260	1000	0,727	106	133
35 rm	9.4	355	1000	0,524	131	164
50 rm	11.0	482	1000	0,387	158	198
70 rm	12.6	675	1000	0,268	200	253
95 rm	14.6	925	1000	0,193	241	306
120 rm	16.1	1160	1000	0,153	278	354
150 rm	18.0	1450	1000	0,124	318	-
185 rm	20.0	1780	1000	0,0991	362	-
240 rm	22.8	2330	1000	0,0754	424	-