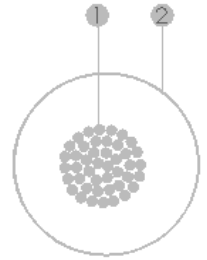


Cross-linked rubber insulated single-core cable H07Z-K



1. Electrolytic bare or tinned flexible copper conductor
2. E15 type cross-linked halogen-free rubber insulation with low emission of fumes and gases.



APPLICATIONS



Recommended for use in dry environments for the wiring of lighting fixtures, appliances and units where valuable assets are to be protected from future damage of fire, smoke and corrosive gas. Designed for the internal wiring of switchboards and distributor boards. The low-smoke, zero halogen cable may be installed on, in or beneath plaster and in closed installation ducts.

Technical Data			
Temperature range	-25 ÷ 90 °C (@ fixed installation)	Test voltage	2500 VAC
Short-circuit temperature	160 °C	Flame resistance	IEC 60332-1-2, CPR class Eca
Voltage rating	450/750 V AC, 0.6/1 kVAC	Halogen-free	EN 50525-1, IEC 61034-2
	(@ fixed and protected installation)	Bending radius	≥ 8 x D (@ fixed installation)

Size conductor [mm ²]	Conductor stranding [N° x mm]	Electrical resistance [Ω / Km]		Diameter on insulation [mm]	Radial thickness of insulation [mm]
1.5	28 x 0.243	≤ 13.3	≤ 13.7	2.85 ± 0.1	≥ 0.7
2.5	48 x 0.243	≤ 7.98	≤ 8.21	3.6 ± 0.1	≥ 0.8
4	52 x 0.300	≤ 4.95	≤ 5.09	4.1 ± 0.1	≥ 0.8
6	80 x 0.300	≤ 3.30	≤ 3.39	4.85 ± 0.1	≥ 0.8
10	136 x 0.300	≤ 1.91	≤ 1.95	6.3 ± 0.1	≥ 1.0
16	210 x 0.300	≤ 1.21	≤ 1.24	7.2 ± 0.1	≥ 1.0
25	322 x 0.300	≤ 0.780	≤ 0.795	9.0 ± 0.2	≥ 1.2
35	455 x 0.300	≤ 0.554	≤ 0.565	10.2 ± 0.3	≥ 1.2
50	646 x 0.300	≤ 0.386	≤ 0.393	12.2 ± 0.2	≥ 1.4
70	912 x 0.300	≤ 0.272	≤ 0.277	14.0 ± 0.2	≥ 1.4
95	1235 x 0.300	≤ 0.206	≤ 0.210	16.3 ± 0.3	≥ 1.6
120	1520 x 0.300	≤ 0.161	≤ 0.164	18.5 ± 0.3	≥ 1.6

Standard reference

EN 50525-3-41, Low Voltage European Directive No. 2014/35/EU, EN 50575
IMQ-HAR certificate No. CA01.00501, DoP No. 0002

Stranding of conductor

Class 5 flexible electrolytic bare or tinned copper conductor, conforming to IEC 60228 requirements.

Insulation

E15 type cross-linked halogen-free rubber insulation with low emission of fumes and gases conforming to EN 50363-5

Assesment of halogens

pH : accordingly to EN 50267-2-2
conductivity : accordingly to EN 50267-2-2
amount of halogen gas acid HCl, HBr, HF : accordingly to EN 50267-2-1 and IEC 60684-2
smoke density : accordingly to IEC 61034-2
oxygen index : accordingly to ISO 4589

Color of insulation

In compliance with requirements of HD 308 S2 standard.

Marking

Embossed marking : SALCAVI SPA ITALY - IEMMEQU <HAR> LS0H HT90°C - H07Z-K - YEAR