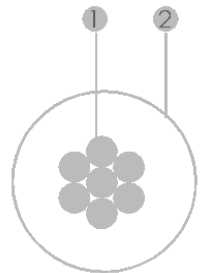


Cross-linked rubber insulated single-core cable H07Z-R



1. Electrolytic bare copper flexible rope conductor
2. EI5 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	-20 ÷ 90 °C (@ fixed installation)	Flame resistance	IEC 60332-1-2, CPR class Eca
Short-circuit temperature	160 °C	Halogen-free	EN 50525-1, IEC 61034-2
Voltage rating	450/750 V AC	Bending radius	≥ 10 x D (@ fixed installation)
Test voltage	2500 V AC	Suitable for indoor use	Suitable for 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	7 x 0.530	≤ 12.1	3.0 ± 0.1	≥ 0.70
2.5	7 x 0.670	≤ 7.41	3.6 ± 0.1	≥ 0.80
4	7 x 0.850	≤ 4.61	4.1 ± 0.1	≥ 0.80
6	7 x 1.05	≤ 3.08	4.75 ± 0.1	≥ 0.80
10	7 x 1.32	≤ 1.83	6.2 ± 0.2	≥ 1.0
16	7 x 1.70	≤ 1.15	7.2 ± 0.2	≥ 1.0
25	7 x 2.08	≤ 0.727	8.8 ± 0.2	≥ 1.2
35	7 x 2.52	≤ 0.524	10.0 ± 0.2	≥ 1.2
50	19 x 1.75	≤ 0.387	11.9 ± 0.3	≥ 1.4
70	19 x 2.10	≤ 0.268	13.6 ± 0.3	≥ 1.4

Standard reference

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

Stranding of conductor

Electrolytic bare copper Class 2 flexible rope conductor, conforming to IEC 60228 requirements.

Insulation

EI5 type cross-linked halogen-free rubber insulation with low emission of fumes and gases conforming to EN 50363-5

Color of insulation

In compliance with requirements of HD 308 S2 standard.

Outer sheath

TM7 thermoplastic compound conforming to EN 50363-8. Hardness : (45 ± 1) Sh-D

Marking

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