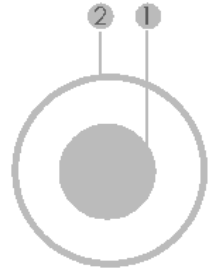


## Cross-linked rubber insulated single-core cable H05Z-U



1. Electrolytic bare or tinned solid copper conductor
2. E15 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. 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 ( @ xed 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	300/500 V AC	Suitable for fixed installation	
Test voltage	2500 V AC	Bending radius	≥ 10 x D ( @ xed installation )

Size conductor [ mm <sup>2</sup> ]	Conductor stranding [ N° x mm ]	Electrical resistance [ Ω / Km ]		Diameter on insulation [ mm ]	Radial thickness of insulation [ mm ]
0.50	1 x 0.80	≤ 36.0	≤ 36.7	2.05 ± 0.1	≥ 0.6
0.75	1 x 0.97	≤ 24.5	≤ 24.8	2.2 ± 0.1	≥ 0.6
1	1 x 1.13	≤ 18.1	≤ 18.2	2.4 ± 0.1	≥ 0.6

### Standard reference

EN 50525-3-41, Low Voltage European Directive No. 2014/35/EU, EN 50575  
IMQ-HAR certificate No. CA01.00502, DoP No. 0001

### Stranding of conductor

Electrolytic bare or tinned copper Class 1 solid conductor, grooved in order to guarantee the adhesion of insulation, conforming to IEC 60228 requirements.

### Insulation

E15 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

SALCAVI SPA ITALY - IEMMEQU <HAR> LS0H HT90°C - H05Z-U - YEAR