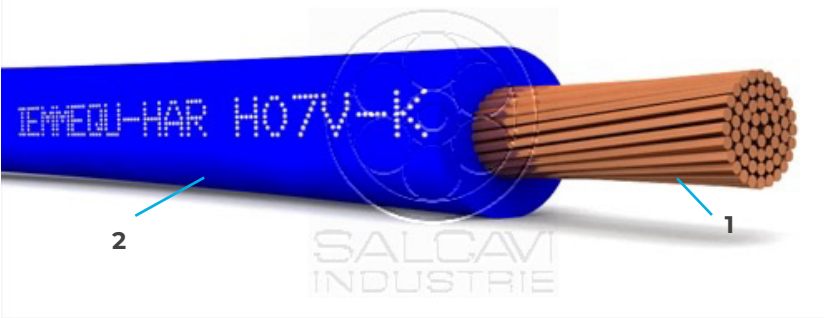
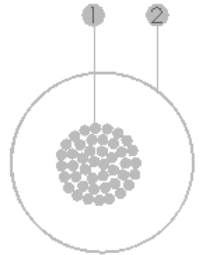


PVC insulated single-core cable H07V-K



1. Electrolytic flexible stranded bare or tinned copper conductor
2. TII PVC insulation



APPLICATIONS



It must be laid inside pipes, at sight or embedded, or closed systems. It's allowed for fixed and protected installation, upon or into illumination devices, for voltage under 1000 VAC or 750 VDC to ground.

Technical Data			
Temperature range	- 30 ÷ 70 °C (@ fixed installation)	Suitable for outdoor use	
Short-circuit temperature	160 °C	Suitable for fixed installation	
Rated voltage	450 / 750 VAC	Bending radius	≥ 10 x D (@ fixed installation)
Test voltage	2500 VAC	Flame resistance	IEC 60332-1-2
			CPR class Eca

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

EI5 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