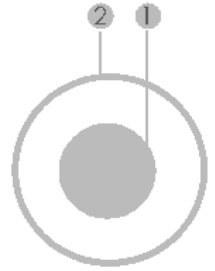


PVC insulated single-core cable H05V2-U



1. Electrolytic bare or tinned copper solid conductor
2. Special TI3 PVC insulation



APPLICATIONS



UV-resistant H05V2-U cable is used for the internal wiring of electrical appliances and lighting applications but avoiding a direct UV light exposure. It can be used in electronic appliances for measuring, regulating and controlling. The cables are also ideal for laying in pipes, and conduit installations. It's optimized for BJB automatic machinery processing.

Technical Data			
Temperature range	- 20 ÷ 90 °C (@ fixed installation)	Suitable for outdoor use	
Short-circuit temperature	160 °C	Suitable for fixed installation	
Rated voltage	300/500 V _{AC}	Bending radius	≥ 15 x D (@ fixed installation)
Test voltage	2000 V _{AC}	Flame resistance	IEC 60332-1-2
		Resistant to UV exposure	not continuous & prolonged exposure

Size conductor [mm ²]	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	1.97 ± 0.03 (*) / 2.05 ± 0.1	≥ 0.60
0.75	1 x 0.97	≤ 24.5	≤ 24.8	2.2 ± 0.1	≥ 0.60
1	1 x 1.13	≤ 18.1	≤ 18.2	2.4 ± 0.1	≥ 0.60

(*) : "Calibrated" wire for all applications where there are constrained passages.

Standard reference

EN 50525-2-31, Low Voltage European Directive No. 2014/35/EU
 IMQ-HAR approval No. A2165

Stranding of conductor

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

Insulation

Special TI3 PVC conforming to EN 50363-3, improved for exposure to UV-radiation and suitable for lighting applications. Hardness : (97 ± 2) Sh-A

Color of insulation

In compliance with requirements of HD 308 S2 standard.

Embossed marking

SALCAVI SPA ITALY - IEMMEQU <HAR> H05V2-U HT90°C - YEAR