



H05V2-U



Single-core PVC insulated, non-sheathed power cable with solid conductor for internal wiring of appliances with a maximum continuous operating temperature of 90 °C.

Rated voltage

U₀/U 300/500 V

Standards

EN 50525-1, EN 50525-2-31, EN IEC 60332-1-2, EN IEC 60228.

European directives

2014/35/UE (LVD) - 2011/65/CE e 2015/863/EU (RoHS).

Conductor

Solid annealed plain copper class 1 (EN IEC 60228).

Insulation

PVC of type T13. Insulation colour:

blue, dark blue, black, brown, grey, green/yellow, red, white, turquoise, violet, orange, pink, green, yellow and all the bicolour combinations of these colours.

Marking

Continuous marking on the insulation: on one side « ICEL H05V2-U IEMMEQU <HAR> ECOGAMMA », on the opposed side « nominal cross section, year of production, MADE IN ITALY ».

Guidance for Use

For fixed and protected installations inside electrical appliances in which the wiring will operate in high temperature areas.

Further instructions and guidance for use are given in the EN 50565 standard.

According to CPR
EN IEC
60332-1-2



Minimum installation and handling temp
+5 °C



Maximum operating temperature on the conductor

90 °C

Maximum short circuit temperature (max 5 sec)

160 °C

Minimum usage temperature
-10 °C



Maximum tensile stress
5 kg/mm²



Minimum internal bending radii
4 times the overall diameter



Lead Free
Ecogamma



According to
RoHS



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Nominal cross-sectional area of conductor mm ²	Number of conductor wires n	Thickness of insulation specified value mm	Mean overall dimensions		Indicative cable weight g/m	Maximum resistance of conductor at 20 °C ohm/km	Minimum insulation resistance at 90 °C Mohm·km
			MIN mm	MAX mm			
0,5	1	0,6	1,9	2,3	8,3	36,0	0,014
0,75	1	0,6	2,1	2,5	11,6	24,5	0,013
1	1	0,6	2,2	2,7	14	18,1	0,011