



# H05V-U



Single-core non-sheathed power cable with solid conductor for internal wiring.

## Rated voltage

U<sub>0</sub>/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 T11. Insulation colour:

blue, dark blue, light 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 H05V-U IEMMEQU <HAR> ECOGAMMA », on the opposed side « nominal cross section, year of production, MADE IN ITALY ».

## Guidance for Use

Fixed protected installation inside appliances and in, or on, lighting fittings; suitable for installation in surface mounted or embedded conduits, only for signalling or control circuits;

Not suitable for direct or indirect burial, laying outdoors or in wet environments, unprotected laying, or laying under plaster.

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



Maximum short circuit temperature (max 5 sec)



Minimum usage temperature  
-10 °C



Maximum tensile stress  
5 kg/mm<sup>2</sup>



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 <sup>2</sup>	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 70 °C Mohm•km
			MIN mm	MAX mm			
0,5	1	0,6	1,9	2,3	9	36,0	0,014
0,75	1	0,6	2,1	2,5	12	24,5	0,013
1	1	0,6	2,2	2,7	15	18,1	0,011