



# H05V2V2-F



## Reaction to Fire CPR: Eca

Flexible power cables PVC insulated, under a medium PVC sheath, with a maximum continuous operating temperature of 90 °C.

### Rated voltage

U<sub>0</sub>/U 300/500 V

### Standards

EN 50525-1, EN 50525-2-11, EN IEC 60332-1-2, EN IEC 60228, EN 50575:2014+A1:2016.

### Regulation Construction Products

305/2011 EU.

### European directives

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

### Conductor

Flexible annealed plain copper class 5 (EN IEC 60228).

### Insulation

PVC of type TI3. Colours of the cores:

Two-core : blue-brown;

Three-core : green/yellow-blue-brown or brown-black-grey;

Four-core : green/yellow-brown-black-grey or blue-brown-black-grey;

Five-core : green/yellow-blue-brown-black-grey or blue-brown-black-grey-black.

### Sheath

PVC of type TM3. Colour of the sheath: black or white or grey; if explicitly requested, and for agreed quantities, the cables can be supplied in other single colours.

### Marking

Continuous marking on the sheath: on one side « ICEL H05V2V2-F IEMMEQU <HAR> ECOGAMMA Eca »; on the opposite side « nominal cross section, year of production, MADE IN ITALY ».

### Guidance for Use

For use in domestic appliances in which the cable is going to operate at high temperatures; unsuitable for outdoor installations, in industrial or agricultural buildings or for non-domestic portable tools.

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

According to CPR EN IEC 60332-1-2



Lead Free Ecogamma



Minimum installation and handling temp +5 °C



According to RoHS



Maximum operating temperature on the conductor



Maximum short circuit temperature (max 5 sec)



Minimum usage temperature -10 °C



Maximum tensile stress 1,5 kg/mm<sup>2</sup>



Minimum internal bending radii 3 ÷ 8 times the overall diameter



# H05V2V2-F



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CE<sub>0051</sub>



Number and nominal cross-sectional area of conductors n x mm <sup>2</sup>	Maximum diameter of conductor wires mm	Thickness of insulation specified value mm	Thickness of sheath specified value mm	Mean overall dimensions		Indicative cable weight g/m	Maximum resistance of conductors at 20 °C ohm/km	Minimum insulation resistance at 90 °C Mohm•km
				MIN mm	MAX mm			
2 x 0,75	0,21	0,6	0,8	5,7	7,2	61	26,0	0,011
2 x 1	0,21	0,6	0,8	5,9	7,5	70	19,5	0,010
2 x 1,5	0,26	0,7	0,8	6,8	8,6	92	13,3	0,010
2 x 2,5	0,26	0,8	1,0	8,4	10,6	140	7,98	0,0095
2 x 4	0,31	0,8	1,1	9,7	12,1	190	4,95	0,0078
3 G 0,75	0,21	0,6	0,8	6,0	7,6	72	26,0	0,011
3 G 1	0,21	0,6	0,8	6,3	8,0	83	19,5	0,010
3 G 1,5	0,26	0,7	0,9	7,4	9,4	115	13,3	0,010
3 G 2,5	0,26	0,8	1,1	9,2	11,4	130	7,98	0,0095
3 G 4	0,31	0,8	1,2	10,5	13,1	240	4,95	0,0078
4 G 0,75	0,21	0,6	0,8	6,6	8,3	88	26,0	0,011
4 G 1	0,21	0,6	0,9	7,1	9,0	105	19,5	0,010
4 G 1,5	0,26	0,7	1,0	8,4	10,5	145	13,3	0,010
4 G 2,5	0,26	0,8	1,1	10,1	12,5	210	7,98	0,0095
4 G 4	0,31	0,8	1,2	11,5	14,3	290	4,95	0,0078
5 G 0,75	0,21	0,6	0,9	7,4	9,3	110	26,0	0,011
5 G 1	0,21	0,6	0,9	7,8	9,8	130	19,5	0,010
5 G 1,5	0,26	0,7	1,1	9,3	11,6	180	13,3	0,010
5 G 2,5	0,26	0,8	1,2	11,2	13,9	265	7,98	0,0095
5 G 4	0,31	0,8	1,4	13,0	16,1	320	4,95	0,0078

If explicitly requested, and for agreed quantities, a version of the cables without the protective conductor (green/yellow) can be supplied