H07V2-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
Uo/U 450/750 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 TI3. Insulation colour:
blue, dark blue, light blue, black, brown, grey, green/yellow, red, white, turquoise, violet, orange, pink.

Marking
Continuous marking on the insulation: on one side « ICEL H07V2-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.
Suitable for fixed protected installation in, or on, lighting or control gear for voltages up to 1000 V a.c. or, up to 750 V d.c. to earth.
If installed in distribution systems the maximum continuos operating temperature shall be limited to 70 °C.

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
Pb free

According to RoHS
RoSH free

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Nominal cross-sectional area of conductor mm²	Minimum 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			
1,5	1	0,7	2,6	3,2	20	12,1	0,011
2,5	1	0,8	3,2	3,9	32	7,41	0,010
4	1	0,8	3,6	4,4	47	4,61	0,0087
6	1	0,8	4,1	5,0	65	3,08	0,0074
10	1	1,0	5,3	6,4	112	1,83	0,0067

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