



H07Z-U



Reaction to Fire CPR: Eca

Single core power cable with solid conductor insulated with rubber insulation Type EI 5, flame retardant on a single vertical cable test, having low emission of smoke and corrosive gases when exposed to fire.

Rated voltage

U₀/U 450/750 V

Standards

EN 50525-1, EN 50525-3-41, 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

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

Insulation

Polyolefin based cross-linked material of type EI5, having low emission of smoke and corrosive gases when exposed to fire. 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 H07Z-U IEMMEQU <HAR> ECOGAMMA Eca », on the opposed side « nominal cross section, year of production, MADE IN ITALY ».

Guidance for Use

For installation where high presence of people is foreseen and a low level of emission of smoke and corrosive gases are required in case of fire or burning. 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. Unsuitable: for installation in bunches, for outdoor use, direct or indirect burring in earth, in damp premises, directly under plaster. 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.

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
-20 °C



Maximum tensile stress
5 kg/mm²



Minimum internal bending radii
4 ÷ 6 times the overall diameter



Lead Free
Ecogamma



According to
RoHS



H07Z-U



◁HAR▷

CE₀₀₅₁



nominal cross-sectional area of conductors mm ²	Number of conductor wires mm	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	3,3	19	12,1	0,011
2,5	1	0,8	3,2	4,0	32	7,41	0,010
4	1	0,8	3,6	4,6	47	4,61	0,0085
6	1	0,8	4,1	5,2	65	3,08	0,0070
10	1	1,0	5,3	6,6	112	1,83	0,0070
1,5	1	0,7	2,6	3,3	19	12,1	0,011