



N07G9-K



Single core flexible power cable with G9 rubber insulation, resistant to fire propagation, having low emission of smoke and toxic and corrosive gases when exposed to fire.

Rated voltage

U₀/U 450/750 V

Standards

CEI 20-38, CEI-Una1 35368, CEI 20-11, CEI 20-22 II, CEI 20-37/4-0, EN 60228, EN 60332-1-2, EN 60754, EN 50267-2-1, EN 61034-1, EN 61034-2.

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

Rubber compound of type G9, having low emission of smoke and toxic 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: « LOMBARDA or ICEL noSmoke ECOGAMMA N07G9-K nominal cross section mm² CEI 20-22 II - 20-38 IEMMEQU year 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. Installation in surface mounted or embedded conduits, or similar closed systems; 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. Particular suitable for installation in bunches (according to the relative test conditions).

The **RINA** (Registro Navale Italiano) approval mark qualifies these cables to be used for internal wiring of power switchboards on classified ships (passengers and merchant ships).

Further instructions and guidance for use are given in the EN 50565 and CEI 20-40 standards..

CEI
20-22 II
5 kg/m



Minimum internal
bending radii
4 ÷ 6 times the
overall diameter



EN IEC
60332-1-2



low emission
of smoke
LSOH



Minimum
installation and
handling temp
-15 °C



Low emission
toxic and
corrosive gas
LSOH



Maximum
operating
temperature
on the conductor



Lead Free
Ecogamma



Maximum
short circuit
temperature
(max 5 sec)



According
to
RoHS



Minimum
usage
temperature
-30 °C



Maximum
tensile
stress
1,5 kg/mm²



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Nominal cross-sectional area of conductor mm ²	Maximum diameter of conductor wires mm	Thickness of insulation specified value mm	Mean overall dimensions max mm	Indicative cable weight g/m	Maximum resistance of conductor at 20 °C Ohm/km
1	0,21	0,7	3,0	15	19,5
1,5	0,26	0,7	3,4	21	13,3
2,5	0,26	0,8	4,1	33	7,98
4	0,31	0,8	4,8	48	4,95
6	0,31	0,8	5,3	66	3,30
10	0,41	1,0	6,8	111	1,91
16	0,41	1,0	8,7	172	1,21
25	0,41	1,2	10,2	255	0,780
35	0,41	1,2	11,7	350	0,554
50	0,41	1,4	13,9	500	0,386
70	0,51	1,4	16,0	690	0,272
95	0,51	1,6	18,2	910	0,206
120	0,51	1,6	20,2	1140	0,161
150	0,51	1,8	22,5	1420	0,129
185	0,51	2,0	24,8	1730	0,106
240	0,51	2,2	28,4	2270	0,0801