



RG7R-0,6/1 kV



Single-core power cables, G7 rubber insulated, PVC sheathed, with stranded conductors for fixed installations. Resistant to fire propagation with reduced emission of corrosive gases under fire conditions.

Rated voltage

U₀/U 0,6/1 kV

Maximum voltage

1,8 kV d.c. also to earth

Standards

CEI 20-13, CEI Unel 35376, CEI 20-11, EN 60228, CEI 20-22 II, EN 60332-1-2, EN 50267-2-1, HD 605-A1.

European directives

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

Conductor

Stranded annealed plain copper, class 2 (EN IEC 60228)

Insulation

Hard ethylene propylene rubber (HEPR) compound, of type G7, with reduced emission of halogen (corrosive gases) under fire conditions. Colour of the core: black.

Sheath

PVC of type Rz with reduced emission of halogen (corrosive gases) under fire conditions. Resistance to UV exposure, measured according to the CENELEC standard HD 605, for a sure outside non protected to sun light installation. Colour: light grey.

Marking

Continuous marking on the sheath: « ICEL or LOMBARDA RG7R-0,6/1 kV nominal cross section CEI 20-22 II IEMMEQU ECOGAMMA production date Made in Italy »;
under the sheath the IEMMEQU thread. Progressive meter marking.

Guidance for Use

for internal installations, also in wet locations and for external installations; for installation in surface mounted or on metallic structures; direct laying in earth permitted.

See also the guide to use standard CEI 20-67.

CEI
20-22 II
10 kg/m



Minimum internal
bending radii
4 times the
overall diameter



EN IEC
60332-1-2



UV
Resistant



Minimum
installation and
handling temp
0 °C



Low emission
corrosive
gasses



Maximum
operating
temperature
on the conductor



Lead Free
Ecogamma



Maximum
short circuit
temperature
(max 5 sec)



According
to
RoHS



Minimum
usage
temperature
-15 °C



Maximum
tensile
stress
5 kg/mm²



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Number and nominal cross-sectional area of conductors mm ²	Minimum number of conductor wires n	Thickness of insulation specified value mm	Indicative core diameter mm	Thickness of the sheath specified value mm	Maximum overall diameter mm	Indicative cable weight g/m	Maximum Resistance of conductors at 20 °C ohm/km
1 x 10	6	0,7	5,2	1,4	9,0	150	1,83
1 x 16	6	0,7	6,1	1,4	10,0	210	1,15
1 x 25	6	0,9	7,8	1,4	11,7	310	0,727
1 x 35	6	0,9	8,8	1,4	13,0	420	0,524
1 x 50	6	1,0	10,2	1,4	14,7	550	0,387
1 x 70	12	1,1	12,0	1,4	16,6	760	0,268
1 x 95	15	1,1	13,7	1,5	18,6	1010	0,193
1 x 120	18	1,2	15,4	1,5	20,5	1160	0,153
1 x 150	18	1,4	17,2	1,6	22,8	1500	0,124
1 x 185	30	1,6	19,3	1,6	25,0	1900	0,0991
1 x 240	34	1,7	21,9	1,7	27,9	2500	0,0754
1 x 300	34	1,8	24,3	1,8	30,7	3100	0,0601
1 x 400	53	2,0	27,4	1,9	35,0	4100	0,0470
1 x 500	53	2,2	30,6	2,0	38,6	5100	0,0366
1 x 630	53	2,4	34,6	2,2	43,1	6200	0,0283