



UG7R-0,6/1 kV



Single-core power cables, G7 rubber insulated, PVC sheathed, with solid 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

Solid annealed plain copper, class 1 (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 UG7R-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



EN IEC
60332-1-2



Minimum
installation and
handling temp
0 °C



Maximum
operating
temperature
on the conductor



Maximum
short circuit
temperature
(max 5 sec)



Minimum
usage
temperature
-15 °C



Maximum
tensile
stress
5 kg/mm²



Minimum internal
bending radii
4 times the
overall diameter



UV
Resistant



Low emission
corrosive
gasses



Lead Free
Ecogamma



According
to
RoHS



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Number and nominal cross-sectional area of conductors mm ²	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 1,5	1	0,7	2,9	1,4	6,4	51	12,1
1 x 2,5	1	0,7	3,3	1,4	6,9	65	7,41
1 x 4	1	0,7	3,8	1,4	7,5	80	4,61
1 x 6	1	0,7	4,3	1,4	8,1	105	3,08