



UG7OR-0,6/1 kV



Multicore 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:

Two-core : blue-brown;

Three-core : green/yellow-blue-brown or brown-black-grey;

Four-core : green/yellow-brown-black-grey or blue-brown-black-grey;

Five-core : green/yellow-blue-brown-black-grey or blue-brown-black-grey-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 UG7OR-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



UG70R-0,6/1 kV



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
2 x 1,5	1	0,7	2,9	1,8	11,5	145	12,1
2 x 2,5	1	0,7	3,3	1,8	12,4	180	7,41
2 x 4	1	0,7	3,8	1,8	13,6	220	4,61
2 x 6	1	0,7	4,3	1,8	14,7	270	3,08
3 G 1,5	1	0,7	2,9	1,8	12,0	170	12,1
3 G 2,5	1	0,7	3,3	1,8	13,0	200	7,41
3 G 4	1	0,7	3,8	1,8	14,3	250	4,61
3 G 6	1	0,7	4,3	1,8	15,5	320	3,08
4 G 1,5	1	0,7	2,9	1,8	12,9	190	12,1
4 G 2,5	1	0,7	3,3	1,8	14,0	240	7,41
4 G 4	1	0,7	3,8	1,8	15,4	300	4,61
4 G 6	1	0,7	4,3	1,8	16,7	400	3,08
5 G 1,5	1	0,7	2,9	1,8	13,8	220	12,1
5 G 2,5	1	0,7	3,3	1,8	15,0	280	7,41
5 G 4	1	0,7	3,8	1,8	16,5	370	4,61
5 G 6	1	0,7	4,3	1,8	18,1	510	3,08

If explicitly requested, and for agreed quantities, a version of the cables without the protective conductor (green/yellow) can be supplied.