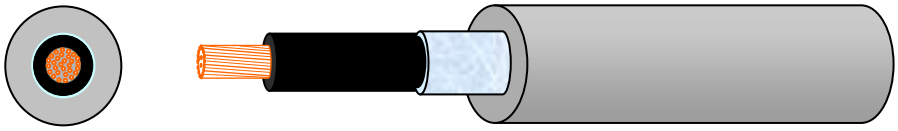

FG7R-0,6/1 kV

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

Rated voltage
Uo/U 0,6/1 kV

Maximum voltage
1,8 kV d.c. also to earth

Standards
CEI 20-13, CEI Unel 35375, 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
Flexible annealed plain copper, class 5 (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 FG7R-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

FG7R-0,6/1 kV

Number and nominal cross-sectional area of conductors mm²	Maximum diameter of conductor wires mm	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	0,26	0,7	2,9	1,4	6,7	51	13,3
1 x 2,5	0,26	0,7	3,4	1,4	7,2	65	7,98
1 x 4	0,31	0,7	3,9	1,4	7,8	80	4,95
1 x 6	0,31	0,7	4,4	1,4	8,4	105	3,30
1 x 10	0,41	0,7	5,3	1,4	9,4	150	1,91
1 x 16	0,41	0,7	6,4	1,4	10,4	200	1,21
1 x 25	0,41	0,9	8,2	1,4	12,2	300	0,780
1 x 35	0,41	0,9	9,5	1,4	13,6	390	0,554
1 x 50	0,41	1,0	11,2	1,4	15,4	540	0,386
1 x 70	0,51	1,1	13,2	1,4	17,3	740	0,272
1 x 95	0,51	1,1	14,7	1,5	19,4	940	0,206
1 x 120	0,51	1,2	16,6	1,5	21,4	1200	0,161
1 x 150	0,51	1,4	18,6	1,6	23,8	1480	0,129
1 x 185	0,51	1,6	20,7	1,6	26,0	1830	0,106
1 x 240	0,51	1,7	23,5	1,7	29,2	2340	0,0801
1 x 300	0,51	1,8	26,1	1,8	32,0	2950	0,0641
1 x 400	0,51	2,0	29,8	1,9	36,5	3930	0,0486