

# CABLES FOR CONTROL AND SIGNALLING CIRCUITS

## FG7OR-0,6/1 kV



Multicore cables for signalling and control, 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

U<sub>0</sub>/U 0,6/1 kV

### Maximum voltage

1,8 kV d.c. also to earth

### Standards

CEI 20-13, CEI Unel 35377, 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 cores: black numbered, with or without the green/yellow earth core

### 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 FG7OR-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



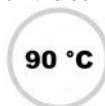
EN IEC  
60332-1-2



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/mm<sup>2</sup>



Minimum internal  
bending radii  
6 times the  
overall diameter



UV  
Resistant



Low emission  
corrosive  
gasses



Lead Free  
Ecogamma



According  
to  
RoHS



**IceL**  
conduttori di energie

# FG7OR-0,6/1 kV



Number and nominal cross-sectional area of conductors mm <sup>2</sup>	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
5 G 1,5	0,26	0,7	2,9	1,8	14,4	230	13,3
7 G 1,5	0,26	0,7	2,9	1,8	15,4	275	13,3
10 G 1,5	0,26	0,7	2,9	1,8	18,7	365	13,4
12 G 1,5	0,26	0,7	2,9	1,8	19,3	410	13,4
16 G 1,5	0,26	0,7	2,9	1,8	21,1	510	13,4
19 G 1,5	0,26	0,7	2,9	1,8	22,1	580	13,4
24 G 1,5	0,26	0,7	2,9	1,8	25,4	700	13,5
7 G 2,5	0,26	0,7	3,4	1,8	16,8	310	7,98
10 G 2,5	0,26	0,7	3,4	1,8	20,6	395	8,06
12 G 2,5	0,26	0,7	3,4	1,8	21,3	445	8,06
16 G 2,5	0,26	0,7	3,4	1,8	23,3	545	8,06
19 G 2,5	0,26	0,7	3,4	1,8	24,5	615	8,06
24 G 2,5	0,26	0,7	3,4	1,8	28,3	750	8,10

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