



CABLES FOR CONTROL AND SIGNALLING CIRCUITS

FG16OR16-0,6/1 kV



Reaction to Fire CPR: C_{ca}-s3,d1,a3

Multicore cables for signalling and control, G16 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

U₀/U 0,6/1 kV

Maximum voltage

1,8 kV d.c. also to earth

Standards

CEI 20-13, CEI Unel 35322, CEI 20-11, EN 60228, EN 50399, EN 60754-2, EN 60332-1-2, EN 50575:2014+A1:2016.

Regulation Construction Products

305/2011 EU.

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 G16, 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 R16 with reduced emission of halogen (corrosive gases) under fire conditions. Colour: light grey.

Marking

Continuous marking on the sheath: « ICEL or LOMBARDA FG16OR16-0,6/1 kV nominal cross section IEMMEQU EFP ECOGAMMA production date Made in Italy Cca-s3,d1,a3 »; 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.

FG16OR16 cables are suitable for general applications in construction work subject to fire reaction requirements; for bundle installations with high fire risks, having fire reaction class Cca-s3,d1,a3.

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

According to CPR EN 50399



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 6 times the overall diameter



low emission of corrosive gases



Lead Free Ecogamma



According to RoHS



FG16OR16-0,6/1 kV



CE 0051

EAC

Number and nominal cross-sectional area of conductors mm ²	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