



# FG16OH2R16-0,6/1 kV

CE 0051

## Reaction to Fire CPR: C<sub>ca</sub>-s3,d1,a3

Multicore power cables, G16 rubber insulated, braid screen, 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>o</sub>/U 0,6/1 kV

### Maximum voltage

1,8 kV in c.c.

### Norme

CEI 20-13 pqa, CEI Unel 35318 pqa, CEI 20-11, EN and IEC 60228; EN 50399, EN 60754-2, EN 60332-1-2, EN 50575:2014+A1:2014.

### Regulation Construction Products

305/2011 EU.

### European directives

2014/35/UE (B.T.) - 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:

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.

### Screen

Plain annealed copper braid. Braid covering percentage: over 50%.

### 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 FG16OH2R16-0,6/1 kV nominal cross section ECOGAMMA production date Made in Italy Cca-s3,d1,a3 »; 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.

Normally used in the interconnections of machinery or part of them, when a certain degree of protection is needed against electromagnetic interference.

FG16OH2R16 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.

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  
8 times the  
overall diameter

Electromagnetic  
screen

Low emission  
corrosive  
gasses

Lead Free  
Ecogamma

According  
to  
RoHS



**IceL**  
conduttori di energie

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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
2 x 1,5	0,26	0,7	2,9	1,8	12,7	190	13,3
2 x 2,5	0,26	0,7	3,4	1,8	13,7	240	7,98
2 x 4	0,31	0,7	3,9	1,8	14,9	290	4,95
2 x 6	0,31	0,7	4,4	1,8	16,1	360	3,30
3 G 1,5	0,26	0,7	2,9	1,8	13,3	210	13,3
3 G 2,5	0,26	0,7	3,4	1,8	14,3	270	7,98
3 G 4	0,31	0,7	3,9	1,8	15,6	330	4,95
3 G 6	0,31	0,7	4,4	1,8	16,9	420	3,30
4 G 1,5	0,26	0,7	2,9	1,8	14,1	250	13,3
4 G 2,5	0,26	0,7	3,4	1,8	15,3	330	7,98
4 G 4	0,31	0,7	3,9	1,8	16,7	400	4,95
4 G 6	0,31	0,7	4,4	1,8	18,4	500	3,30
5 G 1,5	0,26	0,7	2,9	1,8	15,1	280	13,3
5 G 2,5	0,26	0,7	3,4	1,8	16,4	380	7,98

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