



## FG160H2R16-0,6/1 kV

**CPR** Cca-s3,d1,a3



Braid Shield



### STANDARDS

- CEI 20-13
- CEI UNEL 35318
- CEI 20-11
- CEI EN/IEC 60228
- CEI EN 50399
- CEI EN 60754-2
- CEI EN/IEC 60332-1-2
- CEI EN 50575:2014+A1:2016

### USE



Commercial,  
industrial, public building

## CONSTRUCTION FEATURES



### CONDUCTOR

Flexible annealed copper, class 5.  
CEI EN/IEC 60228.



### INSULATION

Hard ethylene propylene rubber (HEPR) compound, of type G16.

### CORES COLOUR

Yellow/green-blue-brown-black-grey



### SHIELD

Shield annealed copper braid.



### SHEATH

PVC type R16 with reduced emission of halogen (corrosive gases).

### SHEATH COLOUR

Light grey.

## TECHNICAL FEATURES

### RATED VOLTAGE

U<sub>0</sub>/U 600/1000 V

### TENSILE

5 Kg/mm<sup>2</sup>

### RADIUS

10 x Øe.

### INSTALLATION MIN. TEMPERATURE

0°C

### MIN. USAGE TEMPERATURE

-15°C

### TEMPERATURE ON THE CONDUCTOR

90°C

### SHORT CIRCUIT TEMPERATURE

250°C

### USE AND INSTALLATION METHOD

Inside, even in wet environments and outside; fixed installation on masonry and metal structures, protected underground installation allowed. Normally intended for the interconnection between parts of construction machinery, including machine tools, when a certain degree of protection against electromagnetic interference is required.

Further instructions and warnings for the use of these cables are given in the CEI 20-67 standard.

### MARKING

Progressive metric marking.

«NRG CABLES FG160H2R16-0,6/1 kV N. cores x section mm<sup>2</sup> dd.mm.yy Made in Italy Cca-s3,d1,a3 ».

## EUROPEAN DIRECTIVES

### RoSH

2011/65/UE (RoHS)  
2015/863/UE

### REACH

CE n° 1907/2006

### LVD

Directive 2014/35/UE

### CPR

305/2011 EU



## FG160H2R16-0,6/1 kV Cca-s3,d1,a3

N. x mm <sup>2</sup>		Outer diameter	Approx. Cable weight	Max. Eletrical resistance (20°C)	
		mm	g/m	ohm/km	
2 x	1,5	9,67	120	13,3	
2 x	2,5	10,59	148	7,98	
2 x	4	11,69	185	4,95	
2 x	6	12,79	231	3,30	
2 x	10	14,79	329	1,91	
2 x	16	16,91	469	1,21	
2 x	25	20,31	652	0,780	
2 x	35	22,51	845	0,554	
3 G	1,5	10,12	142	13,3	
3 G	2,5	11,11	180	7,98	
3 G	4	12,30	233	4,95	
3 G	6	13,49	298	3,30	
3 G	10	15,65	431	1,91	
3 G	16	17,93	614	1,21	
3 G	25	21,60	887	0,780	
3 G	35	23,98	1164	0,554	
3 G	50	27,65	1823	0,386	
3 x	1,5	10,24	144	13,3	
4 G	1,5	10,85	169	13,3	
4 G	2,5	11,97	216	7,98	
4 G	4	13,30	284	4,95	
4 G	6	14,63	369	3,30	
4 G	10	17,17	548	1,91	
4 G	16	19,59	782	1,21	
4 G	25	23,70	1136	0,780	
3 x	+ 1G 25	25,70	1750	0,554	0,780
3 x	+ 1G 25	28,79	2275	0,386	0,780
4 x	1,5	10,85	169	13,3	
5 G	1,5	11,64	200	11,64	
5 G	2,5	12,89	261	12,89	
5 G	4	14,37	346	14,37	
5 G	6	15,86	450	15,86	
5 G	10	18,68	679	18,68	
5 G	16	21,38	959	21,38	
5 G	25	25,97	1428	25,97	
5 G	35	29,14		29,14	
5 G	50	33,93		33,93	

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