



## FG160H2R16-0,6/1 kV - S.C.

### 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

Black, with white progressive numbers, with or without the green/  
yellow earth core.



#### 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 - S.C. 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
7 G	1,5	12,49	246	13,3
7 G	2,5	13,87	321	7,98
10 G	1,5	15,43	349	13,3
10 G	2,5	17,15	471	7,98
12 G	1,5	15,43	374	13,3
12 G	2,5	17,15	498	7,98
16 G	35	17,40	475	13,3
16 G	2,5	19,57	632	7,98
19 G	1,5	18,25	537	13,3
19 G	2,5	20,55	724	7,98
24 G	1,5	21,07	667	13,3
24 G	2,5	23,83	949	7,98

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