



## FLEX 300/500 V - S.C.

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



### STANDARDS

- CEI EN 50525-2-11 (as applicable);
  - CEI EN 50363 (as applicable);
  - CEI EN/IEC 60228;
  - CEI EN/IEC 60332-1-2.
- CEI EN 50575:2014+A1:2016

### USE



Residential building



Commercial, industrial, public building

## CONSTRUCTION FEATURES



### CONDUCTOR

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



### INSULATION

PVC type TI2.

### CORES COLOUR

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



### SHEATH

PVC type TM2.

### SHEATH COLOUR

Light grey.

## TECHNICAL FEATURES

### RATED VOLTAGE

U<sub>0</sub>/U 300/500 V

### TENSILE

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

### RADIUS

3 ÷ 8 x Ø<sub>e</sub>.

### INSTALLATION MIN. TEMPERATURE

0°C

### MIN. USAGE TEMPERATURE

-15°C

### TEMPERATURE ON THE CONDUCTOR

70°C

### SHORT CIRCUIT TEMPERATURE

150°C

### USE AND INSTALLATION METHOD

For mobile connections and where required for fixed installation. Suitable for indoor installation, in dry or humid rooms, and outdoors for intermittent or temporary use; for connections and electrical equipment, electrical panels. It can be used in all industrial environments. Not suitable for underground installation.

### MARKING

Progressive metric marking.

NRG CABLES FLEX 300/500 V N. cores x/G 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



## FLEX 300/500 V - 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
3 G	0,5	5,78	53	19,5
3 G	0,75	6,21	73	13,3
3 G	1	6,53	83	7,98
3 G	1,5	7,07	103	4,95
3 G	2,5	8,46	146	3,30
4 G	0,5	6,22	56	19,5
4 G	0,75	6,70	71	13,3
4 G	1	7,06	82	7,98
4 G	1,5	7,87	106	4,95
4 G	2,5	9,20	150	3,30
5 G	0,5	6,69	72	19,5
5 G	0,75	7,23	85	13,3
5 G	1	7,63	99	7,98
5 G	1,5	8,51	128	4,95
5 G	2,5	9,99	185	3,30
7 G	0,5	7,19	81,	19,5
7 G	0,75	7,79	105	13,3
7 G	1	8,44	128	7,98
7 G	1,5	9,19	160	4,95
7 G	2,5	10,84	245	3,30
10 G	0,5	9,07	125	19,5
10 G	0,75	9,87	156	13,3
10 G	1	10,47	184	7,98
10 G	1,5	11,47	233	4,95
10 G	2,5	13,67	429	3,30
12 G	0,5	9,07	129	19,5
12 G	0,75	9,87	166	13,3
12 G	1	10,47	198	7,98
12 G	1,5	11,47	251	4,95
12 G	2,5	13,67	376	3,30
16 G	0,5	10,25	164	19,5
16 G	0,75	11,19	213	13,3
16 G	1	11,89	254	7,98
16 G	1,5	13,07	347	4,95
16 G	2,5	16,25	516	3,30
24 G	0,5	12,43	253	19,5
24 G	0,75	13,63	299	13,3
24 G	1	14,93	374	7,98
24 G	1,5	16,43	498	4,95
24 G	2,5	20,13	725	3,30

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