



FLEX 300/500 V - DIN 47100 - 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
- DIN 47100 p.q.a.

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

White, brown, black, purple, green, yellow, gray, pink, blue, red.



SHEATH

PVC type TM2.

SHEATH COLOUR

Light grey.

TECHNICAL FEATURES

RATED VOLTAGE

U₀/U 300/500 V

TENSILE

5 Kg/mm²

RADIUS

3 ÷ 8 x Ø_e.

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 DIN47100 N. cores x section mm² 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



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N. x mm ²		Outer diameter	Approx. Cable weight	Max. Eletrical resistance (20°C)
		mm	g/m	ohm/km
2 x	0,5	5,31	42	19,5
2 x	0,75	5,71	51	13,3
3 x	0,5	5,78	51	19,5
3 x	0,75	6,21	63	13,3
4 x	0,5	6,22	56	19,5
4 x	0,75	6,21	74	13,3
5 x	0,5	6,69	72	19,5
5 x	0,75	7,23	85	13,3
6 x	0,5	7,19	81	19,5
6 x	0,75	7,79	108	13,3
7 x	0,5	7,19	81	19,5
7 x	0,75	7,79	105	13,3
8 x	0,5	8,37	96	19,5
8 x	0,75	9,31	128	13,3
10 x	0,5	6,89	126	19,5
10 x	0,75	10,65		13,3

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