



FLEX-H2 300/500 V - DIN 47100 - S.C.

CPR Cca-s3,d1,a3



Braid Shield



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.



SHIELD

Shield annealed copper braid.



SHEATH

PVC type TM2.

SHEATH COLOUR

Light grey.

TECHNICAL FEATURES

RATED VOLTAGE

U₀/U 300/500 V

TENSILE

5 Kg/mm²

RADIUS

8 ÷ 10 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-H2 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	5,71	45	39,4
2 x	0,75	6,11	52	26,0
3 x	0,5	6,18	56	39,4
3 x	0,75	6,61	66	26,0
4 x	0,5	6,62	65	39,4
4 x	0,75	7,10	79	26,0
5 x	0,5	7,09	77	39,4
5 x	0,75	7,63	94	26,0
6 x	0,5	7,59	89	39,4
6 x	0,75	8,19	111	26,0
7 x	0,5	7,59	92,53	39,4
7 x	0,75	8,19	113	26,0
8 x	0,5	8,77	125	39,4
8 x	0,75	9,51	139	26,0
10 x	0,5	9,69	139	39,4
10 x	0,75	10,57	178	26,0

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