



FLEX-H2 300/500 V - 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

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.



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 N. cores G 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
3 G	0,5	6,18	56	19,5
3 G	0,75	6,61	66	13,3
3 G	1	6,93	76	7,98
3 G	1,5	7,47	91	13,3
3 G	2,5	8,86	103	7,98
3 G	4	10,67	193	4,95
3 G	6	11,86	254	3,30
4 G	0,5	6,62	65	19,5
4 G	0,75	7,10	79	13,3
4 G	1	7,46	91	7,98
4 G	1,5	8,27	114	13,3
4 G	2,5	9,60	162	7,98
4 G	4	11,81	242	4,95
4 G	6	13,55	341	3,30
5 G	0,5	7,09	78	19,5
5 G	0,75	7,63	94	13,3
5 G	1	8,03	106	7,98
5 G	1,5	8,91	139	13,3
5 G	2,5	10,47	202	7,98
7 G	0,5	7,59	92	19,5
7 G	0,75	8,19	113	13,3
7 G	1	8,84	136	7,98
7 G	1,5	9,59	171	13,3
7 G	2,5	11,32	286	7,98
8 G	0,5	8,77	107	19,5
8 G	0,75	9,71	139	13,3
8 G	1	10,34	167	7,98
8 G	1,5	11,27	203	13,3
8 G	2,5	13,30	417	7,98
10 G	0,5	9,47	133	19,5
10 G	0,75	10,35	171	13,3
10 G	1	11,05	198	7,98
10 G	1,5	11,95	250	13,3
10 G	2,5	14,75	416	7,98
12 G	0,5	9,47	141	19,5
12 G	0,75	10,35	181	13,3
12 G	1	11,05	212	7,98
12 G	1,5	11,95	269	13,3
12 G	2,5	14,75	448	7,98
16 G	0,5	10,73	182	19,5
16 G	0,75	11,67	230	13,3
16 G	1	12,37	271	7,98
16 G	1,5	14,35	364	13,3
16 G	2,5	16,73	606	7,98
24 G	0,5	12,91	261	19,5
24 G	0,75	14,31	320	13,3
24 G	1	15,41	395	7,98
24 G	1,5	17,31	523	13,3
24 G	2,5	20,61	872	7,98

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