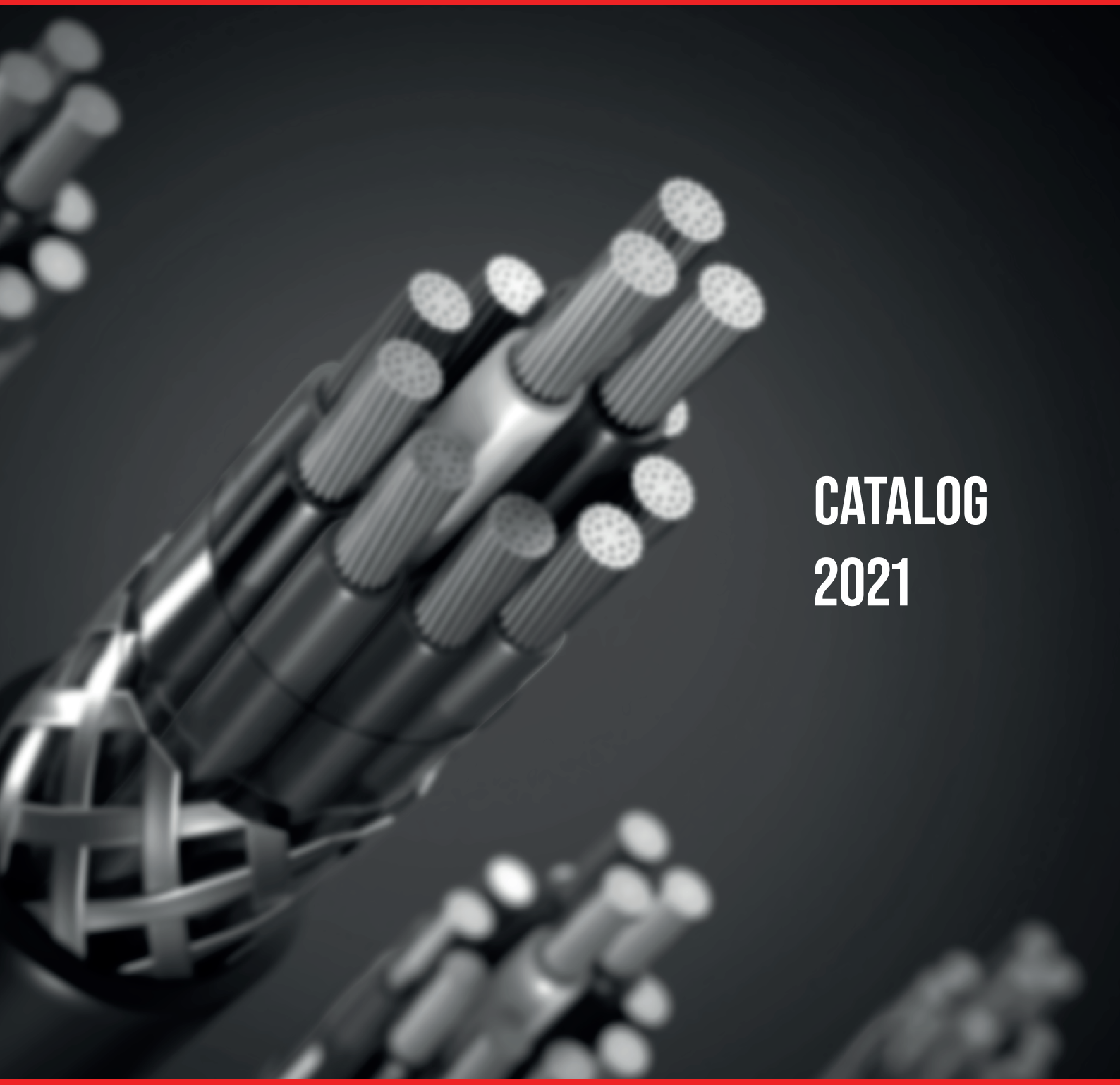


CATALOG 2021

NRG CABLES

Special & Customized

NRG CABLES

ABOUT US

NRG Cables is a dynamic and innovative company, specialized in the marketing and distribution of special electrical cables for different applications, ensuring the availability of a wide range of products. NRG Cables is also able to provide customized cables with special sheath and insulation, shielding and armour to meet specific customer needs.

MISSION

NRG Cables aims at offering high quality and technologically advanced products, in order to guarantee a high standard of service and satisfy promptly the market needs.

VISION

Thanks to the consolidated experience of operators in this field, NRG Cables wants to be a leading player in the market for special electrical cables, thus contributing to the development and growth of the energy transport sectors.

LEGEND

SECTORS

RESIDENTIAL BUILDING

COMMERCIAL, INDUSTRIAL, PUBLIC BUILDING

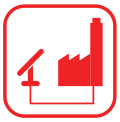
RAILWAY

PORT, MARITIME

ROAD INFRASTRUCTURES, TUNNELS

OIL&GAS, HEAVY INDUSTRY, MINES

TELECOMMUNICATIONS



ENERGY INFRASTRUCTURES

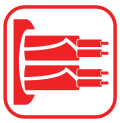
CHARACTERISTICS OF THE CABLE

HALOGEN FREE

BRAID SHIELD

TAPE SHIELD

DOUBLE SHIELD



SHIELDED PAIR

TAPE ARMOUR

BRAID ARMOUR

CONDUCTOR

INSULATION

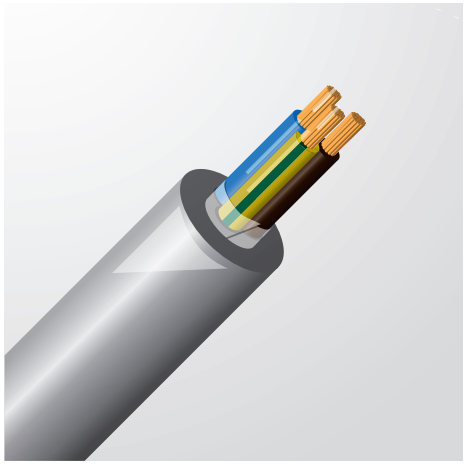
ARMOUR

SHIELD

INSULATION

INDEX

NRG Cables is also able to provide customized cables with special sheath and insulation, shielding and armour to meet specific customer needs.



FLEX 450/750 V

CPR Cca-s3,d1,a3

CE 0051

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
Yellow/green-blue-brown-black-grey.

SHEATH
PVC type TM2.

SHEATH COLOUR
Light grey.

TECHNICAL FEATURES

RATED VOLTAGE
Uo/U 450/750 V

TENSILE
5 Kg/mm²

RADIUS
3 ÷ 8 x Øe.

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
Flexible multipolar cables for energy with PVC insulation and sheath with the characteristic of limiting the spread of fire according to the CPR class envisaged. Used 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. They can be used in all industrial environments. Not suitable for underground installation.

MARKING
Progressive metric marking.
NRG CABLES FLEX 450/750 V N. cores x/G section mm² dd.mm.yy Made in Italy Cca-s3,d1,a3.

EUROPEAN DIRECTIVES

RoSH	REACH	LVD	CPR
2011/65/UE (RoHS) 2015/863/UE	CE n° 1907/2006	Directive 2014/35/UE	305/2011 EU

FLEX 450/750 V Cca-s3,d1,a3

N. x mm²		Outer diameter	Approx. Cable weight	Max. Eletrical resistance (20°C)
		mm	g/m	ohm/km
2 x	1	6,01	58	19,5
2 x	1,5	6,71	75	13,3
2 x	2,5	7,81	107	7,98
2 x	4	9,61	164	4,95
2 x	6	10,71	214	3,30
3 G	1	6,53	72	19,5
3 G	1,5	7,07	89	13,3
3 G	2,5	8,46	146	7,98
3 G	4	10,19	216	4,95
3 G	6	11,38	237	3,30
4 G	1	7,06	82	19,5
4 G	1,5	7,87	111	13,3
4 G	2,5	9,20	150	7,98
4 G	4	11,13	224	4,95
4 G	6	13,07	320	3,30
5 G	1	7,63	99	19,5
5 G	1,5	8,51	128	13,3
5 G	2,5	9,99	185	7,98
5 G	4	12,15	277	4,95
5 G	6	14,24	396	3,30

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

Unless otherwise stated, all indicated data are nominal.

FLEX 300/500 V - SIG. CON.

CPR Cca-s3,d1,a3

CE 0051

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
Uo/U 300/500 V

TENSILE
5 Kg/mm²

RADIUS
3 ÷ 8 x Øe.

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
Flexible multipolar cables for control and signaling systems with PVC insulation and sheath with the characteristic of limiting the spread of fire according to the CPR class envisaged. They are suitable for the transmission of signals and commands between instrumentation equipment and control systems with the transmission of digital and analog signals. Used 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. They 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 mm² dd.mm.yy Made in Italy Cca-s3,d1,a3.

EUROPEAN DIRECTIVES

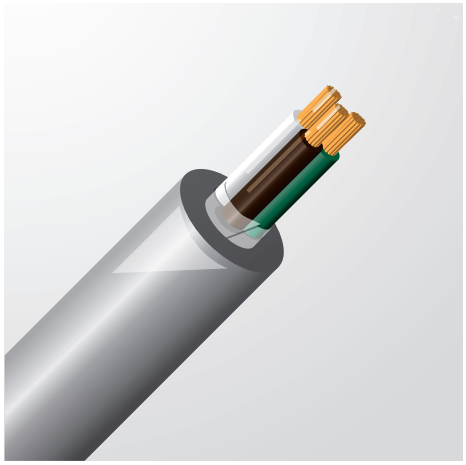
RoSH	REACH	LVD	CPR
2011/65/UE (RoHS) 2015/863/UE	CE n° 1907/2006	Directive 2014/35/UE	305/2011 EU

FLEX 300/500 V - SIG. CON. Cca-s3,d1,a3

N. x mm²		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.

Unless otherwise stated, all indicated data are nominal.



FLEX 300/500 V - DIN 47100 - SIG. CON.

CPR Cca-s3,d1,a3

CE 0051

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
Uo/U 300/500 V

TENSILE
5 Kg/mm²

RADIUS
3 ÷ 8 x Øe.

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
lexible multipolar cables for energy with PVC insulation and sheath with the characteristic of limiting the spread of fire according to the CPR class envisaged. Used 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. They 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.

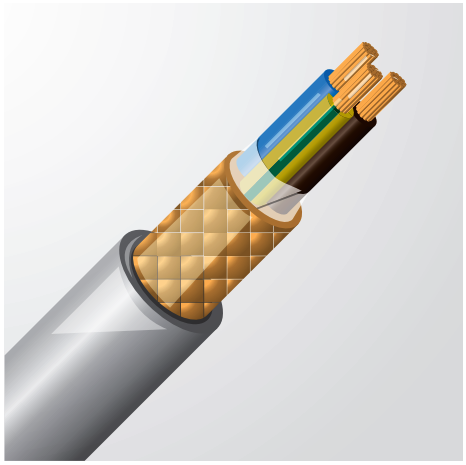
EUROPEAN DIRECTIVES

RoSH	REACH	LVD	CPR
2011/65/UE (RoHS) 2015/863/UE	CE n° 1907/2006	Directive 2014/35/UE	305/2011 EU

FLEX 300/500 V - DIN 47100 - SIG. CON. Cca-s3,d1,a3

N. x mm²		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

Unless otherwise stated, all indicated data are nominal.



FLEX-H2 450/750 V

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
Yellow/green-blue-brown-black-grey.

SHIELD
Shield annealed copper braid.

SHEATH
PVC type TM2.

SHEATH COLOUR
Light grey.

TECHNICAL FEATURES

RATED VOLTAGE
Uo/U 450/750 V

TENSILE
5 Kg/mm²

RADIUS
8 ÷ 10 x Øe

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
Flexible multipolar cables for energy with PVC insulation and sheath with the characteristic of limiting the spread of fire according to the CPR class envisaged. Used for mobile connections and where foreseen for fixed installation and where a certain degree of protection against electromagnetic interference is required (Copper braid). Suitable for indoor installation, in dry or humid rooms, and outdoors for intermittent or temporary use; for connections and electrical equipment, electrical panels. They can be used in all industrial environments. Not suitable for underground installation.

MARKING
Progressive metric marking.
NRG CABLES FLEX-H2 450/750 V N. cores x/G section mm² dd.mm.yy Made in Italy Cca-s3,d1,a3.

EUROPEAN DIRECTIVES

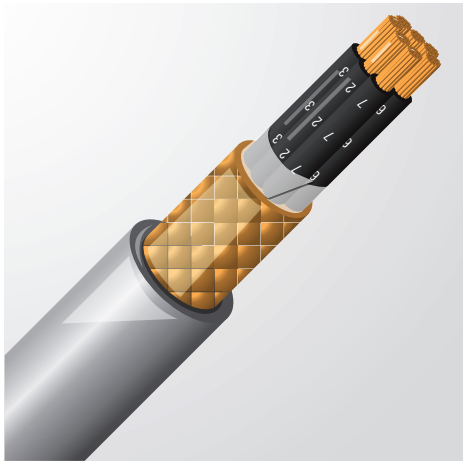
RoSH	REACH	LVD	CPR
2011/65/UE (RoHS) 2015/863/UE	CE n° 1907/2006	Directive 2014/35/UE	305/2011 EU

FLEX-H2 450/750 V Cca-s3,d1,a3

N. x mm²		Outer diameter	Approx. Cable weight	Max. Eletrical resistance (20°C)
		mm	g/m	ohm/km
2 x	1	6,41	58	19,5
2 x	1,5	7,11	73	13,3
2 x	2,5	8,21	96	7,98
2 x	4	10,01	172	4,95
2 x	6	11,11	221	3,30
3 G	1	6,93	76	19,5
3 G	1,5	7,47	91	13,3
3 G	2,5	8,86	133	7,98
3 G	4	10,67	193	4,95
3 G	6	11,86	254	3,30
4 G	1	7,46	91	19,5
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	1	8,03	108	19,5
5 G	1,5	8,91	139	13,3
5 G	2,5	10,47	202	7,98
5 G	4	13,03	381	4,95
5 G	6	14,52	503	3,30

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

Unless otherwise stated, all indicated data are nominal.



FLEX-H2 300/500 V - SIG. CON.

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
Uo/U 300/500 V

TENSILE
5 Kg/mm²

RADIUS
8 ÷ 10 x Øe

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
Flexible multipolar cables for control and signaling systems with PVC insulation and sheath with the characteristic of limiting the spread of fire according to the CPR class envisaged. They are suitable for the transmission of signals and commands between instrumentation equipment and control systems with the transmission of digital and analog signals. Used for mobile connections and where foreseen for fixed installation and where a certain degree of protection against electromagnetic interference is required (Copper braid). Suitable for indoor installation, in dry or humid rooms, and outdoors for intermittent or temporary use. They 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

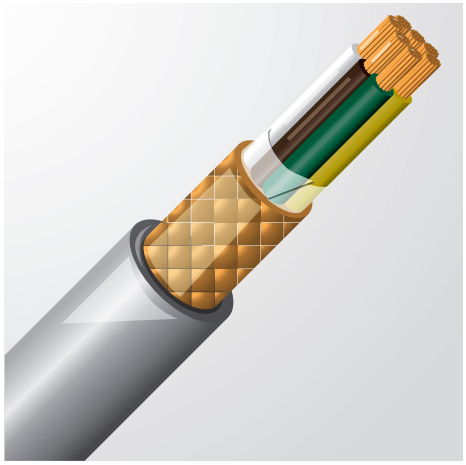
RoSH	REACH	LVD	CPR
2011/65/UE (RoHS) 2015/863/UE	CE n° 1907/2006	Directive 2014/35/UE	305/2011 EU

FLEX-H2 300/500 V - SIG. CON. Cca-s3,d1,a3

N. x mm²		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.

Unless otherwise stated, all indicated data are nominal.



FLEX-H2 300/500 V - DIN 47100 - SIG. CON.

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
Uo/U 300/500 V

TENSILE
5 Kg/mm²

RADIUS
8 ÷ 10 x Øe

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
Flexible multipolar cables for control and signaling systems with PVC insulation and sheath with the characteristic of limiting the spread of fire according to the CPR class envisaged. They are suitable for the transmission of signals and commands between instrumentation equipment and control systems with the transmission of digital and analog signals. Used for mobile connections and where foreseen for fixed installation and where a certain degree of protection against electromagnetic interference is required (Copper braid). Suitable for indoor installation, in dry or humid rooms, and outdoors for intermittent or temporary use. They 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.

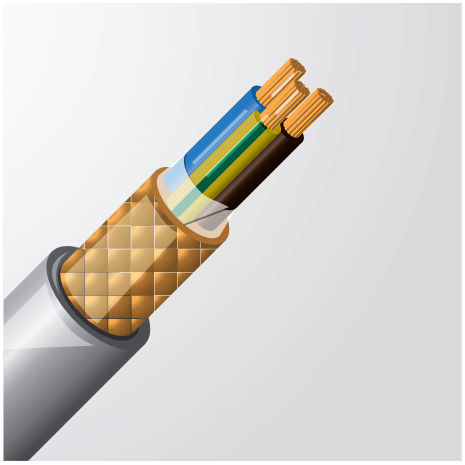
EUROPEAN DIRECTIVES

RoSH	REACH	LVD	CPR
2011/65/UE (RoHS) 2015/863/UE	CE n° 1907/2006	Directive 2014/35/UE	305/2011 EU

FLEX-H2 300/500 V - DIN 47100 - SIG. CON. Cca-s3,d1,a3

N. x mm²		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

Unless otherwise stated, all indicated data are nominal.



FG16OH2R16-0,6/1 kV

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
Yellow/green-blue-brown-black-grey

SHIELD
Shield annealed copper braid.

SHEATH
PVC type R16 with reduced emission of halogen (corrosive gases).

SHEATH COLOUR
Light grey.

TECHNICAL FEATURES

RATED VOLTAGE
Uo/U 600/1000 V

TENSILE
5 Kg/mm²

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
Flexible multipolar cables for control and signaling systems with PVC insulation and sheath with the characteristic of limiting the spread of fire according to the CPR class envisaged. They are suitable for the transmission of signals and commands between instrumentation equipment and control systems with the transmission of digital and analog signals. Used for mobile connections and where foreseen for fixed installation and where a certain degree of protection against electromagnetic interference is required (Copper braid). Suitable for indoor installation, in dry or humid rooms, and outdoors for intermittent or temporary use. They can be used in all industrial environments. Not suitable for underground installation.

MARKING
Progressive metric marking.
NRG CABLES FG16OH2R16-0,6/1 kV 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

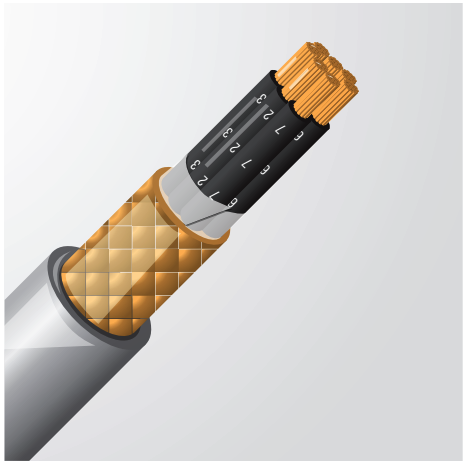
CPR
305/2011 EU

FG16OH2R16-0,6/1 kV Cca-s3,d1,a3

N. x mm²		Outer diameter	Approx. Cable weight	Max. Eletrical resistance (20°C)
		mm	g/m	ohm/km
2 x	1,5	9,67	120	13,3
2 x	2,5	10,59	148	7,98
2 x	4	11,69	185	4,95
2 x	6	12,79	231	3,30
2 x	10	14,79	329	1,91
2 x	16	16,91	469	1,21
2 x	25	20,31	652	0,780
2 x	35	22,51	845	0,554
3 G	1,5	10,12	142	13,3
3 G	2,5	11,11	180	7,98
3 G	4	12,30	233	4,95
3 G	6	13,49	298	3,30
3 G	10	15,65	431	1,91
3 G	16	17,93	614	1,21
3 G	25	21,60	887	0,780
3 G	35	23,98	1164	0,554
3 G	50	27,65	1823	0,386
3 x	1,5	10,24	144	13,3
4 G	1,5	10,85	169	13,3
4 G	2,5	11,97	216	7,98
4 G	4	13,30	284	4,95
4 G	6	14,63	369	3,30
4 G	10	17,17	548	1,91
4 G	16	19,59	782	1,21
4 G	25	23,70	1136	0,780
3 x	+ 1G 25	25,70	1750	0,554 / 0,780
3 x	+ 1G 25	28,79	2275	0,386 / 0,780
4 x	1,5	10,85	169	13,3
5 G	1,5	11,64	200	11,64
5 G	2,5	12,89	261	12,89
5 G	4	14,37	346	14,37
5 G	6	15,86	450	15,86
5 G	10	18,68	679	18,68
5 G	16	21,38	959	21,38
5 G	25	25,97	1428	25,97
5 G	35	29,14	1850	29,14
5 G	50	33,93	2300	33,93

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

Unless otherwise stated, all indicated data are nominal.



FG16OH2R16-0,6/1 kV - SIG. CON.

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
Uo/U 600/1000 V

TENSILE
5 Kg/mm²

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
Flexible multipolar cables for signal transmission with G16 insulation and PVC sheath with the characteristic of limiting the spread of fire according to the CPR class envisaged. Used for mobile connections and where foreseen for fixed installation and where a certain degree of protection against electromagnetic interference is required (Copper braid). Suitable for indoor installation, even in wet environments, and outdoors; fixed installation on masonry and metal structures; protected underground installation allowed. Normally intended for the interconnection between parts of construction machinery, including machine tools and in applications for industrial automation

MARKING
Progressive metric marking.
NRG CABLES FG16OH2R16-0,6/1 kV 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

FG160H2R16-0,6/1 kV - SIG. CON. Cca-s3,d1,a3

N. x mm²		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.

Unless otherwise stated, all indicated data are nominal.

NRG CABLES
Special & Customized

CONTACTS

INFO
info@nrgcables.it
+39 333 2685936

DOMESTIC SALES DEPARTMENT
distribuzione@nrgcables.it
+39 333 2685944

INTERNATIONAL SALES DEPARTMENT
industria.utilities@nrgcables.it
+39 333 2685942

MARKETING
marketing.tecnico@nrgcables.it
+39 333 2685938

ADMINISTRATION
amministrazione@nrgcables.it
+39 333 2685941

LOGISTICS SERVICE
logistica@nrgcables.it
+39 333 2685947

NRG Cables s.r.l.
C.so America 31/A - 24040 Verdellino fraz. Zingonia (BG)
www.nrgcables.it