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Evolucable Industria de Cabos Especiais
Av. Minasa, 25 - Galpão B1 - Condomínio Industrial
Business Park -Sumaré/SP - Cep 13.180-400
Sumaré/SP (Fábrica): +55 19 3090-3350
São Paulo/SP: +55 11 3090-6855
Rio de Janeiro/RJ: +55 21 2042-0087

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INNOVCABLE GIGAFLEX 500-C

- Conductor material: bare copper wires
- Conductor class: According to DIN VDE 0295 cl. 5, BS 6360 cl. 5 and IEC 60228 cl. 5
- Vein insulation: Halogen-free (LSZH) special elastomeric compound (P10)
- White or black veins identified by sequential numerical engraving in black or yellow with green earth (G) according to DIN VDE 0293.
-Twisted in layers.
- Polyester tape separator.
- Shielding in tinned copper mesh with approx. 85% coverage. (EMC protection)
- Outer cover in special halogen-free (LSZH) elastomeric compound (P10), manufactured in RAL grey 7001.
- Manufactured free of harmful substances and silicone.
- Rated voltage: 300/500V
- Test voltage: 3000 V
- Conductor resistance: according to DIN VDE 0295 class 5 and IEC 60228 cl. 5
- Insulation resistance: min. 20 MΩX Km.
- min. bending radius fixed use:4 x d
- min. bending radius if mobile: 10 x d
Bending test according to DIN VDE 0281-2.
- Flame retardant and halogen free, non-corrosive according to VDE 0482-332-1-2 (IEC 60332-3-24 Cat. C), DIN EN/IEC 60332-1 (former DIN VDE 0472 part 804 test method B)
- LSZH= Low Smoke, Zero Halogen
- EMC = Electro Magnetic Compatibility
- Recyclable product

Identification

- All cables with identification (G) have 1 green conductor to earth, (x) without green conductor to earth.
External identification marking:
INNOVCABLE GIGAFLEX 500-C n (x) or (G) mm² 300/500V 125°C OF: XXXX/ANO

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Applicable Specifications

VDE 0482 part 266-2-4/

BS 4066 part 3/ EN 50266-2/ IEC 60332-3-24, (former DIN VDE 0472 part 804 test method C)

DIN VDE 0482-332-1-2, DIN EN/IEC 60332-1 (former DIN VDE 0472 part 804 test method B)

NF X 10-702

DIN VDE 0482 part 267/ EN 50267-2-1/ IEC 60754-1 (equivalent to DIN VDE 0472 part 815)

DIN VDE 0482 part 1034-1+2, DIN EN 61034-1+2/ IEC 61034-1+2, BS 7622 part 1+2 (previously DIN VDE 0472 part 816)

VDE 0473 part 811-2-1

DIN EN 60811-2-1 / DIN VDE 0281-2

DIN EN 61234-1

Applications

Cable for power, control and connections of electrical equipment in general, EMC protection against electromagnetic interference, fixed and flexible applications with low traction and high mechanical stress, can be applied in dry and wet locations. Halogen free, low smoke emission, does not emit toxic smoke, suitable for areas where there is concentration of people or values. Indicated for the construction of airports, cinemas, shopping malls, wind energy systems, naval constructions. It can be applied in external areas with UV protection and ozone resistance. Fire

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retardant, halogen free, non-corrosive, oil and grease resistant, abrasion and wear resistant, manufactured free of harmful substances and silicone.

Maximum Conductor Temperature

Fixed: min-40° C / +125° C
Mobile: min -40° C / +125 ° C

Notes

G = with 1 green conductor to earth;
x = without green conductor to earth.
- Several other cable options and configurations can be produced on request. Innovcable reserves the right to modify this catalogue without prior notice.

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DADOS DIMENSIONAIS

Dimensional n x mm²	Diâmetro externo Ø mm	Peso do cobre kg/km	Peso kg/km
2 X 0,5	5,4	36,0	40,0
3 G 0,5	5,7	43,0	56,0
4 G 0,5	6,3	49,0	77,0
5 G 0,5	6,7	57,0	90,0
7 G 0,5	7,5	69,0	112,0
12 G 0,5	9,6	104,0	177,0
18 G 0,5	11,4	141,0	237,0
25 G 0,5	13,6	211,0	350,0
2 X 0,75	5,9	43,0	56,0
3 G 0,75	6,2	52,0	71,0
4 G 0,75	6,8	61,0	92,0
5 G 0,75	7,5	72,0	109,0
7 G 0,75	8,1	89,0	156,0
12 G 0,75	10,8	138,0	210,0
18 G 0,75	12,5	211,0	287,0
25 G 0,75	15,1	280,0	416,0
2 X 1	6,3	51,0	72,0
3 G 1	6,5	62,0	90,0
4 G 1	7,2	74,0	109,0
5 G 1	7,9	88,0	126,0
7 G 1	8,5	112,0	171,0
12 G 1	11,4	185,0	262,0
18 G 1	13,4	268,0	378,0
25 G 1	16,2	354,0	541,0
2 X 1,5	7,0	65,0	90,0
3 G 1,5	7,5	82,0	115,0
4 G 1,5	8,2	100,0	153,0
5 G 1,5	8,9	119,0	176,0
7 G 1,5	9,6	154,0	220,0
12 G 1,5	12,9	268,0	340,0
18 G 1,5	15,3	373,0	499,0
25 G 1,5	17,9	530,0	688,0
34 G 1,5	20,8	683,0	953,0

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Dimensional n x mm²	Diâmetro externo Ø mm	Peso do cobre kg/km	Peso kg/km
2 X 2,5	8,1	92,0	140,0
3 G 2,5	8,9	118,0	167,0
4 G 2,5	9,7	147,0	216,0
5 G 2,5	10,7	176,0	253,0
7 G 2,5	11,9	253,0	326,0
12 G 2,5	15,8	345,0	545,0
18 G 2,5	19,0	569,0	854,0
25 G 2,5	21,7	827,0	1.168,0
4 G 4	12,0	248,0	284,0
7 G 4	14,4	355,0	459,0
4 G 6	14,2	343,0	385,0
7 G 6	17,0	505,0	661,0
4 G 10	17,2	535,0	663,0
7 G 10	21,4	820,0	1.129,0
4 G 16	20,2	800,0	984,0
7 G 16	24,8	1.470,0	1.709,0
4 G 25	25,1	1.075,0	1.481,0
4 G 35	30,4	1.576,0	1.961,0