



INNOVCABLE PVC JB/OB



- Conductor material: bare copper wires
- Conductor class: According to DIN VDE 0295 class 5 and IEC 60228 cl. 5
- Vein insulation: PVC special 70°C - Up to 5 conductors coloured veins according to DIN VDE 0293-308; above 6 conductors Innovcable colour code with or without earth vein (G).
- Twisted in layers.
- Outer layer in special UV-resistant super-flexible PVC, manufactured in RAL grey 7001.
- Manufactured free from noxious substances and silicone.
- Nominal Voltage: up to 16,0mm² 300/500V; over 25,0mm² 0,6/1kv
- Test voltage: 4000V
- Short-circuit voltage: min. 8000V
- 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: 15 x d
- Flameproof and flame retardant according to IEC 60332-1

Identification

- All cables with identification (G) have 1 green conductor to earth, (x) without green conductor to earth.

External identification marking:

INNOVCABLE JB/OB n (x) or (G) mm² 300/500V or 0.6/1kv 70°C OF: XXXX/YEAR

Applicable Specifications

DIN VDE 0295 CLASS 5

IEC 60228 CLASS 5



DIN VDE 0293

RAL 7001

IEC 60332-1

DIN VDE 0245, 0250 AND 0281

Applications

Cable for power, control and connections of electrical equipment in general, fixed and flexible applications without traction, can be applied in dry and wet locations. It can be applied outdoors and has UV protection/resistance. Flame retardant according to IEC 60332-1. Manufactured free of noxious substances and silicone.

Maximum Conductor Temperature

min/max: -30° C / +70° C

Notes

G = with 1 green conductor to earth;

x = without a green earth conductor (OZ).

- Several other cable options and configurations can be produced on request. Innovcable reserves the right to modify this catalogue without prior notice.



DADOS DIMENSIONAIS

Dimensional n x mm ²	Diâmetro externo Ø mm	Peso do cobre kg/km	Peso kg/km
2 X 0,5	4,8	10,0	33,0
3 G 0,5	5,2	15,0	41,0
4 G 0,5	5,7	19,0	50,0
5 G 0,5	6,3	24,0	63,0
7 G 0,5	6,8	34,0	78,0
12 G 0,5	9,1	58,0	130,0
2 X 0,75	5,2	15,0	43,0
3 G 0,75	5,6	22,0	52,0
4 G 0,75	6,3	29,0	66,0
5 G 0,75	6,8	36,0	76,0
7 G 0,75	7,4	50,0	98,0
12 G 0,75	10,0	86,0	163,0
2 X 1	5,7	19,0	50,0
3 G 1	6,1	29,0	62,0
4 G 1	6,6	38,0	75,0
5 G 1	7,2	48,0	92,0
7 G 1	8,1	67,0	120,0
12 G 1	10,6	115,0	200,0
2 X 1,5	6,3	29,0	65,0
3 G 1,5	6,7	43,0	81,0
4 G 1,5	7,3	58,0	101,0
5 G 1,5	8,2	72,0	125,0
7 G 1,5	9,0	101,0	160,0
12 G 1,5	11,9	173,0	267,0
2 X 2,5	7,6	48,0	99,0
3 G 2,5	8,2	72,0	126,0
4 G 2,5	9,0	96,0	156,0
5 G 2,5	10,1	120,0	195,0
7 G 2,5	11,2	168,0	250,0
12 G 2,5	15,0	288,0	423,0
2 X 4	9,4	77,0	152,0
3 G 4	10,0	115,0	193,0
4 G 4	11,0	154,0	241,0
5 G 4	12,3	192,0	300,0
7 G 4	13,6	269,0	400,0
12 G 4	18,0	440,0	660,0



Dimensional n x mm ²	Diâmetro externo Ø mm	Peso do cobre kg/km	Peso kg/km
3 G 6	11,7	173,0	275,0
4 G 6	12,6	230,0	337,0
5 G 6	14,1	288,0	419,0
7 G 6	15,5	403,0	544,0
3 G 10	14,7	288,0	449,0
4 G 10	16,3	384,0	572,0
5 G 10	18,2	480,0	712,0
7 G 10	20,1	672,0	925,0
3 G 16	18,5	461,0	680,0
4 G 16	20,7	614,0	860,0
5 G 16	23,0	768,0	1.071,0
7 G 16	25,2	1.075,0	1.393,0
3 G 25	23,7	720,0	1.370,0
4 G 25	26,0	960,0	1.471,0
5 G 25	29,0	1.200,0	1.807,0
7 G 25	32,0	1.680,0	2.830,0
3 G 35	26,0	1.008,0	1.740,0
4 G 35	29,1	1.344,0	1.979,0
5 G 35	32,5	1.680,0	2.485,0
3 G 50	30,9	1.440,0	2.510,0
4 G 50	35,5	1.920,0	2.818,0
5 G 50	39,0	2.400,0	3.800,0
3 G 70	36,0	2.016,0	3.190,0
4 G 70	40,2	2.688,0	3.952,0
5 G 70	45,0	3.360,0	4.900,0
3 G 95	41,1	2.736,0	4.510,0
4 G 95	44,8	3.648,0	5.149,0
5 G 95	51,0	4.560,0	6.600,0
3 G 120	45,5	3.456,0	5.600,0
4 G 120	51,0	4.608,0	7.200,0

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