



INNOVCABLE PVC JB/OB YCY



- 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.
- Protective intermediate layer in special PVC.
- Shielding: shielding of tinned copper wires, 85% coverage.
- Outer layer in special PVC resistant to oils, grease, acids and radiation (up to 80x10⁶cJ/Kg (up to 80 Mrad)).
- Manufactured in RAL grey 7001 colour.
- Manufactured free from noxious substances and silicone.
- Rated voltage: up to 16,0mm² 300/500V; above 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 MΩ x Km.
- Min. bending radius fixed use: 6 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 earth conductor, (x) without green earth conductor.
- External identification marking: INNOVCABLE JB/OB-NCY n (x) or (G) mm² 300/500V or 0.6/1 Kv
70°C OF:XXXX/ANO

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, with low loss in data transmission and signal transmission, for fixed and flexible applications without traction, can be applied in dry and wet locations. It has UV protection (external use). Flame retardant in accordance with IEC 60332-1. Resistant to oils, grease, acids and radiation (up to $80 \times 10^6 \text{ cJ/Kg}$ (up to 80 Mrad)). Manufactured free of harmful substances and silicone. Protective shielding against electromagnetic interference. Recommended for EMC applications. Voltage test 4000V. Additional mechanical protection through intermediate frame.

Maximum Conductor Temperature

min/max: -30° C / $+70^\circ \text{ C}$

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	Dímetro externo Ø mm	Peso do cobre kg/km	Peso kg/km
2 X 0,5	6,9	41,0	74,0
3 G 0,5	7,3	46,0	78,0
4 G 0,5	7,9	55,0	95,0
5 G 0,5	8,4	66,0	111,0
7 G 0,5	9,1	81,0	140,0
12 G 0,5	11,5	139,0	227,0
2 X 0,75	7,5	46,0	77,0
3 G 0,75	7,9	58,0	91,0
4 G 0,75	8,4	64,0	109,0
5 G 0,75	9,1	77,0	136,0
7 G 0,75	9,7	102,0	174,0
12 G 0,75	12,7	177,0	270,0
2 X 1	7,9	56,0	91,0
3 G 1	8,2	65,0	107,0
4 G 1	8,8	78,0	137,0
5 G 1	9,6	89,0	164,0
7 G 1	10,4	113,0	199,0
12 G 1	13,5	188,0	330,0
2 X 1,5	8,7	65,0	115,0
3 G 1,5	9,0	83,0	137,0
4 G 1,5	9,7	100,0	173,0
5 G 1,5	10,6	125,0	210,0
7 G 1,5	11,4	196,0	282,0
12 G 1,5	15,2	280,0	433,0
2 X 2,5	10,0	112,0	160,0
3 G 2,5	10,5	146,0	210,0
4 G 2,5	11,5	167,0	267,0
5 G 2,5	12,5	200,0	319,0
7 G 2,5	14,0	288,0	395,0
12 G 2,5	18,2	477,0	640,0



dimensional n x mm ²	Diametro externo Ø mm	Peso do cobre kg/km	Peso kg/km
4 G 4	13,7	237,0	369,0
5 G 4	15,3	280,0	446,0
7 G 4	16,6	388,0	556,0
4 G 6	16,1	318,0	503,0
5 G 6	17,3	441,0	611,0
7 G 6	18,8	505,0	798,0
4 G 10	19,4	558,0	764,0
5 G 10	21,8	714,0	943,0
4 G 16	22,6	804,0	1.080,0
5 G 16	25,2	1.053,0	1.325,0
4 G 25	28,9	1.289,0	1.624,0
5 G 25	31,8	1.446,0	2.270,0
4 G 35	32,2	1.680,0	2.135,0
5 G 35	36,4	1.975,0	2.771,0
4 G 50	38,8	2.342,0	3.362,0
4 G 70	43,7	3.103,0	3.719,0
4 G 95	50,4	4.055,0	5.849,0
4 G 120	56,8	5.225,0	7.509,0