



INNOVCABLE H05VVC4V5-K



- Conductor material: bare copper wires
- Conductor class: According to DIN VDE 0295 class 5 and IEC 60228 cl. 5
- Vein insulation: special PVC 70°C - White or black veins identified by sequentially engraved numbers in black or yellow with green earth (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: 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: 6 x d
- Min. bending radius if mobile: 12 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 H05VVC4V5-K n (x) or (G) mm² 300/500V OF: XXXX/YEAR

Applicable Specifications



DIN VDE 0295 CLASS 5

IEC 60228 CLASS 5

DIN VDE 0293

RAL 7001

IEC 60332-1

DIN 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). Anti-flame and flame retardant according to IEC 60332-1. Resistant to oils, grease, acids and radiation (up to 80x106cJ/Kg (up to 80 Mrad)). Manufactured free of harmful substances and silicone. Protective shielding against electromagnetic interference. Recommended for EMC applications. Additional mechanical protection through intermediate frame

Maximum Conductor Temperature

-40° C / +70° C

Notes

G = with 1 green conductor to earth;

x = no green conductor to earth (OZ).

- Various other cable options and configurations can be produced on request. Innovcable reserves the right to change 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	7,7 - 9,6	30,0	92,0
3 G 0,5	8,0 - 10,0	36,0	109,0
4 G 0,5	8,5 - 10,7	58,0	126,0
5 G 0,5	9,3 - 11,6	63,0	156,0
6 G 0,5	9,9 - 12,4	67,0	176,0
7 G 0,5	10,8 - 13,5	70,0	192,0
12 G 0,5	13,3 - 16,5	105,0	280,0
18 G 0,5	15,1 - 18,6	137,0	405,0
25 G 0,5	17,7 - 21,7	210,0	532,0
34 G 0,5	20,2 - 24,7	298,0	634,0
50 G 0,5	23,7 - 29,0	470,0	970,0
60 G 0,5	25,5 - 31,1	530,0	1.173,0
2 X 0,75	8,0 - 10,0	46,0	102,0
3 G 0,75	8,3 - 10,4	48,0	130,0
4 G 0,75	9,1 - 11,3	55,0	164,0
5 G 0,75	9,7 - 12,1	66,0	189,0
7 G 0,75	11,5 - 14,3	85,0	247,0
12 G 0,75	13,9 - 17,2	135,0	327,0
18 G 0,75	16,2 - 19,9	190,0	470,0
25 G 0,75	18,7 - 23,0	275,0	643,0
34 G 0,75	21,4 - 26,2	340,0	821,0
50 G 0,75	25,4 - 31,1	582,0	1.160,0
61 G 0,75	27,0 - 33,0	679,0	1.402,0
2 X 1	8,2 - 10,3	48,0	114,0
3 G 1	8,8 - 11,0	59,0	143,0
4 G 1	9,4 - 11,7	70,0	175,0
5 G 1	10,3 - 12,8	84,0	205,0
7 G 1	12,2 - 15,1	106,0	264,0
12 G 1	14,7 - 18,1	174,0	420,0
18 G 1	16,9 - 20,8	240,0	561,0
25 G 1	19,8 - 24,2	332,0	792,0
34 G 1	22,6 - 27,7	420,0	996,0
41 G 1	25,2 - 26,8	578,0	1.155,0
50 G 1	26,9 - 32,8	728,0	1.300,0
61 G 1	28,6 - 34,9	883,0	1.500,0



Dimensional n x mm ²	Diâmetro externo Ø mm	Peso do cobre kg/km	Peso kg/km
2 X 1,5	9,3 - 11,6	69,0	146,0
3 G 1,5	9,7 - 12,1	75,0	176,0
4 G 1,5	10,7 - 13,2	90,0	207,0
5 G 1,5	11,8 - 14,7	108,0	268,0
7 G 1,5	14,1 - 17,4	157,0	418,0
12 G 1,5	16,7 - 20,5	240,0	500,0
18 G 1,5	19,6 - 24,1	355,0	707,0
25 G 1,5	22,9 - 28,0	448,0	950,0
34 G 1,5	26,5 - 32,4	754,0	1.204,0
41 G 1,5	28,4 - 31,9	805,0	1.453,0
50 G 1,5	31,3 - 38,2	1.033,0	1.663,0
61 G 1,5	33,3 - 40,6	1.238,0	1.852,0
2 X 2,5	10,7 - 13,3	81,0	190,0
3 G 2,5	11,3 - 14,0	104,0	240,0
4 G 2,5	12,6 - 15,5	163,0	323,0
5 G 2,5	13,9 - 17,2	175,0	364,0
7 G 2,5	16,5 - 20,3	235,0	439,0
12 G 2,5	19,9 - 24,4	375,0	744,0
18 G 2,5	23,3 - 28,5	522,0	1.052,0
25 G 2,5	28,2 - 30,6	897,0	1.375,0
34 G 2,5	32,1 - 34,4	1.179,0	1.892,0