

## H05VVC4V5-K



### Application

For installation in control networks, lighting or power networks, in machines, transportation equipment, production lines

### Technical data

- manufactured according to HD 21.13
- rated voltage UoU: 300/500 V
- test voltage:  
core / core - 2 kV for 5 min  
core / screen - 2 kV for 5 min
- maximum conductor temperature: + 70 °C
- max. conductor temperature at short circuit for 5 s : +160 °C
- temperature of environment:  
mobile : - 5 °C to +70 °C;  
fixed : - 40 °C to +70 °C
- minimum bending radius for: mobile : - 20 D;  
fixed : - 6 D (D - outer cable diameter)
- flame test: flame-retardant acc. to IEC 60332-1
- sheath colour: grey - RAL 7001 or other upon request

### Cable design

- copper conductors class 5 according to IEC 60228
- insulation: PVC compound type TI2 according to HD 21.1
- inner covering: PVC compound type TM2 according to HD 21.1
- screen of tinned copper wire braiding: coverage 80%
- sheath: PVC compound type TM5 - oil-resistant according to HD 21.1

### Core identification

- in accordance to EN 50334 (HD 186) and technical instruction of GAMAKABEL TI 003-04B : all cores black, with white imprinted numbers and a green-yellow protective conductor in the outer layer

Number of Conductors and Cross Section	Outer Diameter	Copper Weight	Cable Weight		Number of Conductors and Cross Section	Outer Diameter	Copper Weight	Cable Weight
No x mm <sup>2</sup>	mm	kg/km	kg/km		No x mm <sup>2</sup>	mm	kg/km	kg/km
2 x 0,5	8,0	40	95		2 x 1,0	8,7	53	117
3 x 0,5	8,2	46	103		3 x 1,0	9,2	65	135
4 x 0,5	8,8	54	120		4 x 1,0	9,8	77	156
5 x 0,5	9,6	62	142		5 x 1,0	10,8	91	189
6 x 0,5	10,2	69	156		6 x 1,0	11,5	104	209
7 x 0,5	11,3	79	184		7 x 1,0	13,0	120	254
12 x 0,5	13,6	131	274		12 x 1,0	15,3	198	366
18 x 0,5	15,3	171	357		18 x 1,0	17,5	269	496
25 x 0,5	18,3	221	482		25 x 1,0	20,9	357	672
27 x 0,5	18,3	230	495		27 x 1,0	20,9	377	693
36 x 0,5	20,5	288	632		36 x 1,0	23,4	478	888
2 x 0,75	8,4	47	107		2 x 1,5	9,9	68	151
3 x 0,75	8,7	56	119		3 x 1,5	10,2	84	169
4 x 0,75	9,5	66	142		4 x 1,5	11,1	102	203
5 x 0,75	10,1	76	163		5 x 1,5	12,4	122	251

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No x mm <sup>2</sup>	mm	kg/km	kg/km		No x mm <sup>2</sup>	mm	kg/km	kg/km
6 x 0,75	11,0	87	185		6 x 1,5	13,2	141	276
7 x 0,75	12,2	99	218		7 x 1,5	14,9	182	342
12 x 0,75	14,4	165	316		12 x 1,5	17,4	269	478
18 x 0,75	16,8	222	440		18 x 1,5	20,2	371	665
25 x 0,75	20,0	291	592		25 x 1,5	24,3	497	909
27 x 0,75	20,0	305	609		27 x 1,5	24,3	525	939
36 x 0,75	22,1	383	762					
					2 x 2,5	11,2	93	199
					3 x 2,5	11,7	119	231
					4 x 2,5	12,9	149	285
					5 x 2,5	14,4	198	361
					6 x 2,5	15,6	229	406
					7 x 2,5	17,4	264	482
					12 x 2,5	20,4	402	684
					18 x 2,5	23,9	566	971