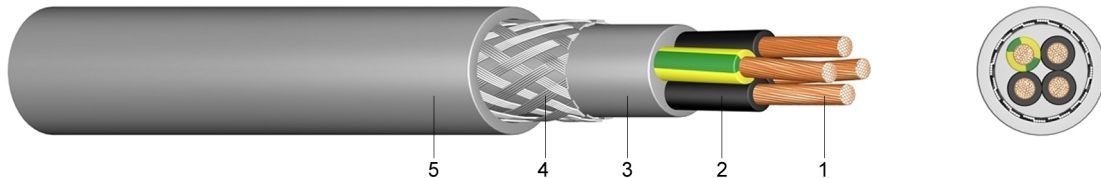


## H05VVC4V5-K PVC Control Cable with Copper Braiding, Oil Resistant

### Application:

Suitable for dry, damp and wet locations but not in the open-air. It is used as a screened termination and connection cable in the control, measuring and signal technology. Suitable as a signal and impulse cable for control and inspection of industrial plants, machinery and working processes.



### Construction:

- 1 ..... fine-stranded bare copper
- 2 ..... core insulation of polyvinylchloride (PVC-mixture YI2)
- 3 ..... inner sheath of polyvinylchloride (mixture YM2)
- 4 ..... braiding of tinned copper wires
- 5 ..... outer sheath of polyvinylchloride ( PVC-mixture YM2), grey

### Standards:

DIN VDE 0281-13  
 HD 21.13.S1  
 DIN EN 60228 class 5 (construction)  
 core identification: 1 core green/yellow, other cores black with figures

### Technical data:

Nominal voltage U <sub>0</sub> /U		[V]	300 / 500 Volt
Test voltage at 50 Hz	core / core	[V] <sub>AC</sub>	2000
	core / screen	[V] <sub>AC</sub>	1000
Temperature range	in motion		-5°C till +70°C
	fixed		-40°C till +70°C
Operating temperature	short circuit	°C	150
Short circuit time	max.	[sec]	5
Bending radius	one time / fixed	x diameter	12,5
Bending radius	in motion	x diameter	15,0
Oil-resistant	standard		EN 60811-2-1
Flammability	standard		EN 60332-1-2

Number of cores and nominal cross section mm <sup>2</sup>	Copper figure kg/km	Cond. construction (appr. value) mm	Overall diameter mm	Weight appr. kg/km
2 X 0,75 *	41,3	24 x 0,21	8,4	111
3 G 0,75	54,7	24 x 0,21	8,9	130
4 G 0,75	67,2	24 x 0,21	9,6	150
5 G 0,75	78,7	24 x 0,21	10,5	179
7 G 0,75	108,5	24 x 0,21	12,5	263
12 G 0,75	184,3	24 x 0,21	14,6	363
25 G 0,75	317,8	24 x 0,21	19,5	643
3 G 1	74,9	32 x 0,21	9,3	143
4 G 1	85,4	32 x 0,21	10,0	171
5 G 1	101,8	32 x 0,21	10,9	199
7 G 1	126,7	32 x 0,21	13,4	314

Number of cores and nominal cross section mm <sup>2</sup>	Copper figure kg/km	Cond. construction (appr. value) mm	Overall diameter mm	Weight appr. kg/km
12 G 1	197,8	32 x 0,21	15,4	408
18 G 1	303,4	32 x 0,21	17,9	564
25 G 1	411,8	32 x 0,21	20,5	733
2 X 1,5 *	71,0	30 x 0,26	10,0	163
3 G 1,5	95,0	30 x 0,26	10,6	186
4 G 1,5	116,2	30 x 0,26	11,5	224
5 G 1,5	129,6	30 x 0,26	12,6	268
7 G 1,5	217,9	30 x 0,26	15,4	418
12 G 1,5	309,1	30 x 0,26	17,8	558
18 G 1,5	410,9	30 x 0,26	20,9	763
25 G 1,5	545,3	30 x 0,26	24,0	1.012
3 G 2,5	147,8	50 x 0,26	12,1	251
4 G 2,5	163,2	50 x 0,26	13,4	323
5 G 2,5	199,7	50 x 0,26	14,7	390
7 G 2,5	288,0	50 x 0,26	17,9	583
12 G 2,5	495,4	50 x 0,26	20,8	778
18 G 2,5	590,4	50 x 0,26	24,4	1.088

\* adapted to DIN VDE