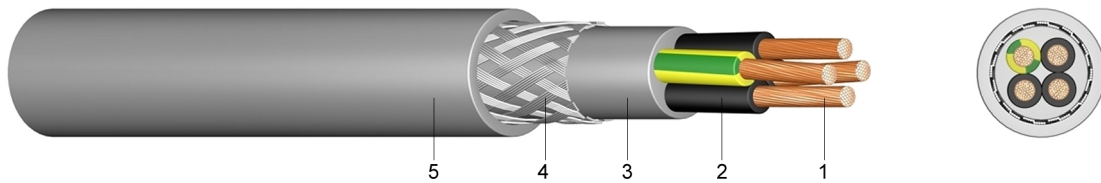


## H05VVC4V5-K PVC Control Cable with Copper Braiding, Oil Resistant, with UL and CSA Approbation ( UL-Style 2587 )

### 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. The copper braiding optimises protection against external interferences, like electromagnetic fields and stray frequencies. 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 special polyvinylchloride (PVC)
- 3 ..... inner sheath of special polyvinylchloride (PVC)
- 4 ..... braiding of tinned copper wires
- 5 ..... outer sheath of special polyvinylchloride (PVC), grey

### Information:

- 0,50 mm<sup>2</sup> is equivalent to app. AWG 20 ( 0,519mm<sup>2</sup>)
- 0,75 mm<sup>2</sup> is equivalent to app. AWG 18 ( 0,823mm<sup>2</sup>)
- 1,00 mm<sup>2</sup> is equivalent to app. AWG 17 ( 1,040mm<sup>2</sup>)
- 1,50 mm<sup>2</sup> is equivalent to app. AWG 15 ( 1,650mm<sup>2</sup>)
- 2,50 mm<sup>2</sup> is equivalent to app. AWG 13 ( 2,630mm<sup>2</sup>)

### Standards:

- DIN VDE 0281-13, HD 21.13.S1
- UL/CSA (UL-Style 2587)
- 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]	600 Volt
Test voltage	[V] <sub>Ac</sub>	3000
Temperature range	in motion fixed	-5°C till +90°C -40°C till +90°C
Operating temperature	short circuit	°C 150
Short circuit time	max.	[sec] 5
Bending radius	one time / fixed in motion	x diameter x diameter 12,5 15,0
Oil-resistant	standard	EN 60811-2-1
Flammability	standard	EN 60332-1-2
Insulation resistance	min.	[MΩm/km] 20

Number of cores and nominal cross section mm <sup>2</sup>	Copper figure	Cond. construction (appr. value)	Overall diameter	Weight
	kg/km	mm	mm	appr. kg/km
3 G 0,75	50,9	24 x 0,21	8,8	125
4 G 0,75	63,4	24 x 0,21	9,6	147
5 G 0,75	78,7	24 x 0,21	10,3	172

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
7 G 0,75	107,5	24 x 0,21	12,2	235
12 G 0,75	161,3	24 x 0,21	14,5	354
18 G 0,75	219,8	24 x 0,21	16,9	478
3 G 1	74,9	32 x 0,21	9,3	140
4 G 1	86,4	32 x 0,21	9,9	165
5 G 1	101,8	32 x 0,21	10,9	195
7 G 1	126,7	32 x 0,21	12,9	271
12 G 1	193,9	32 x 0,21	15,4	405
18 G 1	265,0	32 x 0,21	17,7	548
3 G 1,5	95,0	30 x 0,26	10,4	180
4 G 1,5	116,2	30 x 0,26	11,3	217
5 G 1,5	129,6	30 x 0,26	12,6	267
7 G 1,5	168,0	30 x 0,26	14,9	379
12 G 1,5	254,4	30 x 0,26	17,6	538
18 G 1,5	384,0	30 x 0,26	20,5	743
3 G 2,5	147,8	50 x 0,26	12,0	246
4 G 2,5	163,2	50 x 0,26	13,3	316
5 G 2,5	199,7	50 x 0,26	14,6	383