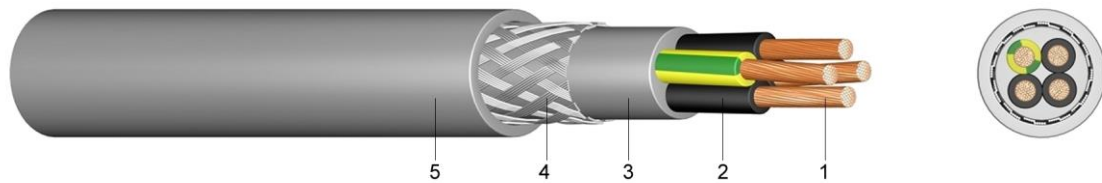




H05VVC4V5-K PVC Control Cable with Copper Braiding, Oil Resistant, with UL and CSA Approbation (UL-Style 2587)

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 mm² is equivalent to app. AWG 20 (0,519mm²)
- 0,75 mm² is equivalent to app. AWG 18 (0,823mm²)
- 1,00 mm² is equivalent to app. AWG 17 (1,040mm²)
- 1,50 mm² is equivalent to app. AWG 15 (1,650mm²)
- 2,50 mm² is equivalent to app. AWG 13 (2,630mm²)

Standards:

- DIN VDE 0285-525-2-51, 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 ₀ /U	[V]	600 Volt
Test voltage	[V] _{Ac}	3000
Temperature range	in motion	-5°C till +90°C
	fixed	-40°C till +90°C
Operating temperature	short circuit	150°C
Short circuit time	max.	5
Bending radius	one time / fixed	x diameter
	in motion	x diameter
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 ²	from stock	Copper figure kg/km	Cond. construction (appr. value) mm	Overall diameter mm	Weight appr. kg / km
3 G 0,75	○	53	24 x 0,21	8,8	125
4 G 0,75	○	66	24 x 0,21	9,6	147
5 G 0,75	○	82	24 x 0,21	10,3	172
7 G 0,75	○	112	24 x 0,21	12,2	235



Number of cores and nominal cross section mm ²	from stock	Copper figure kg/km	Cond. construction (appr. value) mm	Overall diameter mm	Weight appr. kg / km
12 G 0,75	○	168	24 x 0,21	14,5	354
18 G 0,75	○	229	24 x 0,21	16,9	478
3 G 1	●	78	32 x 0,21	9,3	140
4 G 1	●	90	32 x 0,21	9,9	165
5 G 1	○	106	32 x 0,21	10,9	195
7 G 1	○	132	32 x 0,21	12,9	271
12 G 1	○	202	32 x 0,21	15,4	405
18 G 1	○	276	32 x 0,21	17,7	548
3 G 1,5	●	99	30 x 0,26	10,4	180
4 G 1,5	●	121	30 x 0,26	11,3	217
5 G 1,5	●	135	30 x 0,26	12,6	267
7 G 1,5	○	175	30 x 0,26	14,9	379
12 G 1,5	○	265	30 x 0,26	17,6	538
18 G 1,5	○	400	30 x 0,26	20,5	743
3 G 2,5	●	154	50 x 0,26	12,0	246
4 G 2,5	●	170	50 x 0,26	13,3	316
5 G 2,5	○	208	50 x 0,26	14,6	383