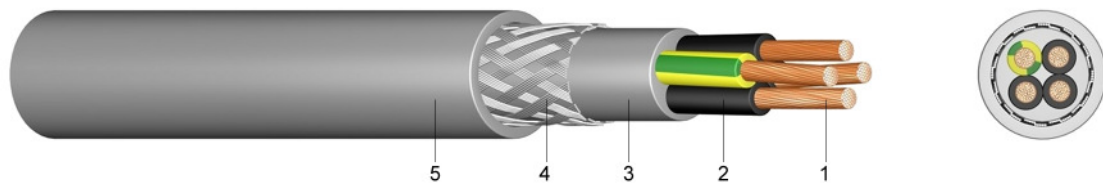


H05VVC4V5-K PVC Control Cable with Copper Braiding, Oil Resistant

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. 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. For the connection of production machinery and machine tools. The lines may move after installation, provided the lines are not overloaded mechanically.



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

According to:

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 ₀ /U		[V]	300 / 500 Volt
Test voltage at 50 Hz	core / core	[V] _{AC}	2000
	core / screen	[V] _{AC}	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 ²	Copper figure kg/km	Cond. construction (appr. value) mm	Overall diameter mm	Weight appr. kg / km
2 X 0,75 *	43	24 x 0,21	8,4	111
3 G 0,75	57	24 x 0,21	8,9	130
4 G 0,75	70	24 x 0,21	9,6	150
5 G 0,75	82	24 x 0,21	10,5	179
7 G 0,75	113	24 x 0,21	12,5	263
12 G 0,75	192	24 x 0,21	14,6	363

Datasheet

Version 1/2009

Number of cores and nominal cross section mm ²	Copper figure	Cond. construction (appr. value)	Overall diameter	Weight
	kg/km	mm	mm	appr. kg / km
25 G 0,75	331	24 x 0,21	19,5	643
3 G 1	78	32 x 0,21	9,3	143
4 G 1	89	32 x 0,21	10,0	171
5 G 1	106	32 x 0,21	10,9	199
7 G 1	132	32 x 0,21	13,4	314
12 G 1	206	32 x 0,21	15,4	408
18 G 1	316	32 x 0,21	17,9	564
2 X 1,5 *	74	30 x 0,26	10,0	163
3 G 1,5	99	30 x 0,26	10,6	186
4 G 1,5	121	30 x 0,26	11,5	224
5 G 1,5	135	30 x 0,26	12,6	268
7 G 1,5	227	30 x 0,26	15,4	418
12 G 1,5	322	30 x 0,26	17,8	558
18 G 1,5	428	30 x 0,26	20,9	763
25 G 1,5	568	30 x 0,26	24,0	1.012
3 G 2,5	154	50 x 0,26	12,1	251
4 G 2,5	170	50 x 0,26	13,4	323
5 G 2,5	208	50 x 0,26	14,7	390
7 G 2,5	300	50 x 0,26	17,9	583
12 G 2,5	516	50 x 0,26	20,8	778
18 G 2,5	615	50 x 0,26	24,4	1.088

* adapted to DIN VDE