

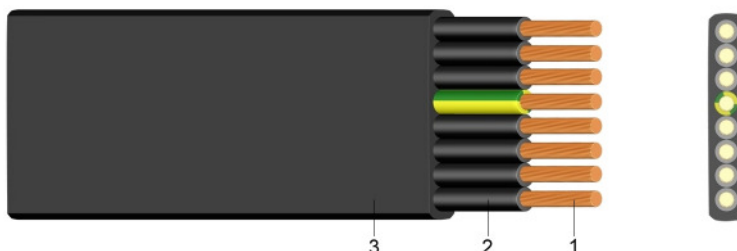
Datasheet H07VVH6-F

Version 1/2009

PVC Flat Cable for Medium-Level Mechanical Stress

Application:

To be used in dry and humid locations but not in the open-air for low and medium-level mechanical loads. This cable is suitable for connecting movable parts of machine tools, material handling equipment and large machines provided it is exposed to bending in only one plane.



Construction:

- 1 fine-stranded bare copper
- 2 core insulation of polyvinylchloride (PVC)
cores are laid up parallel
- 3 outer sheath of soft polyvinylchloride (PVC), black

According to:

DIN VDE 0281-404
DIN EN 60228 class 5 (construction)
HD 308 S2 (core identification)

Technical data:

Nominal voltage U ₀ /U		[V]	450 / 750 Volt
Test voltage		[V] _{AC}	2500
Temperature range	in motion		-5 °C till +70 °C
Operating temperature	short circuit	°C	160
Short circuit time	max.	[sec]	5
Bending radius	min.	x diameter	10
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 measures appr. mm	Weight appr. kg/km
4 G 1,5	60	30 x 0,26	5,0 x 15,0	150
5 G 1,5	75	30 x 0,26	5,0 x 18,0	180
7 G 1,5	105	30 x 0,26	5,0 x 27,0	265
8 G 1,5	120	30 x 0,26	5,0 x 29,0	295
10 G 1,5	150	30 x 0,26	5,0 x 36,0	355
12 G 1,5	180	30 x 0,26	5,0 x 41,0	415
4 G 2,5	100	50 x 0,26	5,7 x 18,5	250
5 G 2,5	125	50 x 0,26	5,7 x 22,0	280
7 G 2,5	175	50 x 0,26	5,7 x 33,5	385
8 G 2,5	200	50 x 0,26	5,7 x 37,0	430
12 G 2,5	300	50 x 0,26	5,7 x 51,0	630
4 G 4	160	56 x 0,31	6,9 x 21,5	320
5 G 4	200	56 x 0,31	6,9 x 26,0	390
7 G 4	280	56 x 0,31	6,9 x 38,0	560
4 G 6	240	84 x 0,31	7,6 x 24,5	430
5 G 6	300	84 x 0,31	7,6 x 29,5	530
4 G 10	400	80 x 0,41	9,6 x 31,0	690

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Number of cores and nominal cross section mm ²	Copper figure	Cond. construction (appr. value)	Overall measures	Weight
	kg/km	mm	appr. mm	appr. kg/km
4 G 16	640	128 x 0,41	10,9 x 35,5	970
4 G 25	1.000	200 x 0,41	12,7 x 41,5	1.405
4 G 35	1.400	280 x 0,41	15,7 x 49,0	2.035
4 G 50	2.000	400 x 0,41	19,1 x 61,5	3.000