


H05VVH6-F/H07VVH6-F/Flat PVC Cables

CU/PVC/PVC



Smaller bending radius in contrast to round cables

Conductor:	bare copper (untinned) conductor, fine wired stranded, class 5 acc. to IEC 60228 / HD 383 / DIN VDE 0295	
Insulation:	PVC compound TI2 acc. to HD 21.1 / DIN VDE 0281 part 1 (YI2 acc. to VDE 0207 part 4)	
Colour code:	Acc. To VDE 0293-308	
Sheath:	PVC compound TM2 acc. to HD 21.1 / DIN VDE 0281 part 1 (YM2 acc. to VDE 0207 part 5)	
sheath colour:	Gray Ral 7042	
Abbreviations	Y insulation & outer sheath of PVC fl reduced flame propagation	
		
	Technical data	
	Temperature range:	
	during application:	-5 °C up to +70 °C
	Fixed Installed:	-30 °C up to +70 °C
	at short circuit of max.	≤ 300 mm ² : max. +160 °C > 300 mm ² : max. +140 °C
	ambient temperature at storage:	up to 40 °C
	Nominal voltage: ≤1.0	U ₀ /U = 300/500 V
	Test voltage:core/core ≤1.0	2.0 KV AC for 5 Min
	Nominal voltage: >1.0	U ₀ /U = 450/750 V
	Test voltage:core/core >1.0	2.5 KV AC for 5 Min
	Minimal inner bending radius:	8 X thickness of the cable
	Behavior in fire:	IEC 60332-1
	Maximal tensile strength:	static: 15 N/mm ² dynamic: 30 N/mm ²
	Conductor resistance:	
	Acc to IEC 60228	
	Design Standard:	IEC 60227-6 DIN VDE 0281 part 404 HD 359 S2

Application:

These power and control flat cables can be used on festoons systems on handling equipment as overhead cranes. They are designed for indoors and outdoors for ambient temperature down to -25°C.

These cables can accept a trolley travelling speed up to 120m/mn.

H05VVH6-F/H07VVH6-F/Flat PVC Cables

CU/PVC/PVC

Code No.	Dimensions – number of cores x conductor cross-section	Construction of individual conductor	Insulation thickness	Sheat thickness at broad flat part	External Dimensions	Cable weight	Packing*
	N * mm ²	nominal n x mm	nominal mm	nominal mm	Nom mm	approx. kg/km	
0.75							
51475	4 G 0.75	24 x 0.195	0.6	0.9	4.1X12.2	90	CUT
51575	5 G 0.75	24 x 0.195	0.6	0.9	4.1X16.5	130	CUT
51675	6 G 0.75	24 x 0.195	0.6	0.9	4.1 X 17.8	160	CUT
51975	9 G 0.75	24 x 0.195	0.6	0.9	4.1 X 24.8	230	CUT
511275	12 G 0.75	24 x 0.195	0.6	0.9	4.1 X 31.7	300	CUT
511675	16 G 0.75	24 x 0.195	0.6	0.9	4.1 X 40.9	400	CUT
511875	18 G 0.75	24 x 0.195	0.6	0.9	4.1 X 47.5	450	CUT
512075	20 G 0.75	24 x 0.195	0.6	0.9	4.1 X 50.2	510	CUT
512475	24 G 0.75	24 x 0.195	0.6	0.9	4.1 X 59.4	555	CUT
1.0							
51410	4 G 1.0	31 x 0.195	0.6	0.9	4.3 X 12.9	100	CUT
51510	5 G 1.0	31 x 0.195	0.6	0.9	4.3 X 17.4	150	CUT
51610	6 G 1.0	31 x 0.195	0.6	0.9	4.3 X 18.9	180	CUT
51910	9 G 1.0	31 x 0.195	0.6	0.9	4.3 X 26.3	265	CUT
511210	12 G 1.0	31 x 0.195	0.6	0.9	4.3 X 33.7	350	CUT
511610	16 G 1.0	31 x 0.195	0.6	0.9	4.3 X 43.7	460	CUT
511810	18 G 1.0	31 x 0.195	0.6	0.9	4.3 X 50.6	520	CUT
512010	20 G 1.0	31 x 0.195	0.6	0.9	4.3 X 53.6	575	CUT
512410	24 G 1.0	31 x 0.195	0.6	0.9	4.3 X 63.5	690	CUT
1.5							
51415	4 G 1.5	31 x 0.230	0.7	1.0	5 x 14.8	140	CUT
51515	5 G 1.5	31 x 0.230	0.7	1.0	5 x 19.8	200	CUT
51615	6 G 1.5	31 x 0.230	0.7	1.0	5 x 21.7	240	CUT
51915	9 G 1.5	31 x 0.230	0.7	1.0	5 x 30.6	350	CUT
511215	12 G 1.5	31 x 0.230	0.7	1.0	5 x 39.5	465	CUT
511615	16 G 1.5	31 x 0.230	0.7	1.0	5 x 51.3	620	CUT
511815	18 G 1.5	31 x 0.230	0.7	1.0	5 x 59.2	700	CUT
512015	20 G 1.5	31 x 0.230	0.7	1.0	5 x 63.1	770	CUT
512415	24 G 1.5	31 x 0.230	0.7	1.0	5 x 75.1	910	CUT
2.5							
51425	4 G 2.5	51 x 0.230	0.8	1.0	5.6 x 18.0	210	CUT
51525	5G 2.5	51 x 0.230	0.8	1.0	5.6 x 24.6	300	CUT
51725	6 G 2.5	51 x 0.230	0.8	1.0	5.6 x 26.8	360	CUT
51925	9 G 2.5	51 x 0.230	0.8	1.0	5.6 x 37.6	530	CUT
511225	12 G 2.5	51 x 0.230	0.8	1.0	5.6 x 48.4	700	CUT
511625	16 G 2.5	51 x 0.230	0.8	1.0	5.6 x 62.9	930	CUT
511825	18 G 2.5	51 x 0.230	0.8	1.0	5.6 x 73.1	1050	CUT
512025	20 G 2.5	51 x 0.230	0.8	1.0	5.6 x 77.3	1160	CUT
512425	24 G 2.5	51 x 0.230	0.8	1.0	5.6 x 91.7	1390	CUT

*)Packing: CUT= cable in different lengths on drum or reel, possible cutting at required