

## H05VVH6-F / H07VVH6-F

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**H07VVH6-F** is a harmonized, flexible, 450/750 volt, PVC flat festoon power and control cable. Mainly used as a trailing cable for crane installations, floor conveyor systems, elevator control cables, shelf control units and in supply lines for moving machine parts. The flat construction allows cables to be stacked for applications where space is at a minimum and require smaller bending radius over that of round cables. Suitable for installations in dry and damp rooms. The outer PVC jacket is extensively resistant to oil, fat, acid and lye. The 300/500 volt versions are to **H05VVH6-F** standards and are only available in 18 AWG (0,75mm<sup>2</sup>) and 17 AWG (1,0mm<sup>2</sup>) sizes.



### Construction:

- Fine bare copper strands
- Strands to VDE-0295 Class-5, IEC 60228 Cl-5
- PVC core insulation
- Color code VDE-0293-308 with ground
- Cores laying parallel
- PVC outer jacket - black (RAL 9005)
- **Extremely oil & chemical resistant**

### Technical:

- Working voltage: 300/500v. (H05)
- Working voltage: 450/750v. (H07)
- Test voltage: 3000 volts
- Flexing bending radius: 10 x Ø
- Flexing temp: -5° C to +70° C
- Static temp: -30° C to +70° C
- Flame retardant: IEC 60332.1
- Insulation resistance: > 20 MΩ x km

### Approvals:

- H05VVH6-F to EN 50214
- H07VVH6-F to <HAR> HD 359 S2
- VDE-0281 Part-403 & 404
- CE Low Voltage Directive 73/23/EEC and 93/68/EEC
- ROHS compliant

PART NUMBER	CORES	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
<b>18 AWG (24/32) 0,75mm<sup>2</sup> H05VVH6-F</b>				
7001804	4	0.139 x 0.496" / 4.3 x 12.6mm	19	60
7001805	5	0.139 x 0.634" / 4.3 x 16.1mm	24	77
7001806	6	0.139 x 0.764" / 4.3 x 19.4mm	29	95
7001809	9	0.139 x 1.039" / 4.3 x 26.4mm	43	133
7001810	10	0.139 x 1.185" / 4.3 x 30.1mm	48	150
7001812	12	0.139 x 1.331" / 4.3 x 33.8mm	56	173
7001816	16	0.139 x 1.748" / 4.3 x 44.4mm	77	228
7001818	18	0.139 x 1.937" / 4.3 x 49.2mm	87	255
7001820	20	0.139 x 2.165" / 4.3 x 55.0mm	97	284
7001824	24	0.139 x 2.583" / 4.3 x 65.6mm	115	341
<b>17 AWG (32/32) 1,00mm<sup>2</sup> H05VVH6-F</b>				
7001703	3	0.177 x 0.425" / 4.5 x 10.8mm	19	54
7001704	4	0.177 x 0.528" / 4.5 x 13.4mm	25	70
7001705	5	0.177 x 0.630" / 4.5 x 16.0mm	32	90
7001706	6	0.177 x 0.811" / 4.5 x 20.6mm	39	108
7001709	9	0.177 x 1.118" / 4.5 x 28.4mm	58	154
7001710	10	0.177 x 1.181" / 4.5 x 30.0mm	64	172
7001712	12	0.177 x 1.425" / 4.5 x 36.2mm	77	200
7001716	16	0.177 x 1.874" / 4.5 x 47.6mm	103	265
7001718	18	0.177 x 2.079" / 4.5 x 52.8mm	115	296
7001720	20	0.177 x 2.323" / 4.5 x 59.0mm	129	332
7001724	24	0.177 x 2.772" / 4.5 x 70.4mm	154	396
<b>16 AWG (30/30) 1,50mm<sup>2</sup></b>				
7001604	4	0.197 x 0.539" / 5.0 x 13.7mm	39	89
7001605	5	0.197 x 0.705" / 5.0 x 17.9mm	48	113
7001607	7	0.197 x 0.925" / 5.0 x 23.5mm	68	158
7001608	8	0.197 x 1.055" / 5.0 x 26.8mm	77	178
7001610	10	0.197 x 1.319" / 5.0 x 33.5mm	97	223
7001612	12	0.197 x 1.531" / 5.0 x 38.9mm	116	282
7001616	16	0.197 x 2.028" / 5.0 x 51.5mm	154	372
7001618	18	0.197 x 2.283" / 5.0 x 58.0mm	174	416
7001624	24	0.197 x 3.228" / 5.0 x 82.0mm	232	479
<b>14 AWG (50/30) 2,50mm<sup>2</sup></b>				
7001404	4	0.217 x 0.669" / 5.5 x 17.0mm	64	138
7001405	5	0.217 x 0.846" / 5.5 x 21.5mm	80	172
7001407	7	0.217 x 1.193" / 5.5 x 30.3mm	113	231
7001408	8	0.217 x 1.256" / 5.5 x 31.9mm	129	261
7001412	12	0.228 x 1.854" / 5.8 x 47.1mm	193	389

Sizes continued on next page.

## H05VVH6-F & H07VVH6-F <HAR>



### H07VVH6-F Sizes Continued. ( 14 AWG & Larger )

PART NUMBER	CORES	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
<b>14 AWG (50/30) 2,50mm<sup>2</sup> Cont.</b>				
7001416	16	0.228 x 2.169" / 5.8 x 55.1mm	258	452
7001424	24	0.228 x 4.724" / 5.8 x 120.0mm	405	637
7001464 (6x4 quads)	24	0.591 x 2.480" / 15.0 x 63.0mm	405	637
<b>12 AWG (56/28) 4,00mm<sup>2</sup></b>				
7001204	4	0.276 x 0.858" / 7.0 x 21.8mm	103	231
7001205	5	0.276 x 1.079" / 7.0 x 27.4mm	129	287
7001207	7	0.311 x 1.441" / 7.9 x 36.6mm	180	396
<b>10 AWG (84/28) 6,00mm<sup>2</sup></b>				
7001004	4	0.323 x 0.976" / 8.2 x 24.8mm	154	284
7001005	5	0.323 x 1.252" / 8.2 x 31.8mm	193	355
7001007	7	0.323 x 1.677" / 8.2 x 42.6mm	270	510
<b>8 AWG (80/26) 10,0mm<sup>2</sup></b>				
7000804	4	0.394 x 1.165" / 10.0 x 29.6mm	258	476
7000805	5	0.394 x 1.378" / 10.0 x 35.0mm	322	751
<b>6 AWG (128/26) 16,0mm<sup>2</sup></b>				
7000604	4	0.441 x 1.354" / 11.2 x 34.4mm	412	680
7000605	5	0.512 x 1.835" / 13.0 x 46.6mm	515	919
<b>4 AWG (200/26) 25,0mm<sup>2</sup></b>				
7000404	4	0.539 x 1.677" / 13.7 x 42.6mm	644	916
<b>2 AWG (280/26) 35,0mm<sup>2</sup></b>				
7000204	4	0.606 x 1.874" / 15.4 x 47.6mm	805	1341
<b>1 AWG (400/26) 50,0mm<sup>2</sup></b>				
7000104	4	0.717 x 2.244" / 18.2 x 57.0mm	901	1409
<b>2/0 AWG (356/24) 70,0mm<sup>2</sup></b>				
7002104	4	0.787 x 2.528" / 20.0 x 64.2mm	1288	1972
<b>3/0 AWG (485/24) 95,0mm<sup>2</sup></b>				
7003104	4	0.827 x 2.882" / 21.0 x 73.2mm	1803	2743

\* Additional sizes may be available.

\*\* Part number 7001464 - construction is 6 bunches of 4 cores for 24 cores total.