



H05VVH6-F/ H07VVH6-F

Application and Description

The cables are used for applications with medium mechanical stresses and sharp bending in one place. They are suitable for use in dry, damp and wet rooms as power and control cable, especially on hoisting equipment, handling systems, machine tools, etc.

Standard and Approval

HD 359 S3, CEI 20-25, CEI 20-35, CEI 20-52

Cable Construction

- Fine bare or tinned copper strands
- Strands to VDE-0295 Class-5, IEC 60228 Class-5
- PVC compound insulation T12 to VDE 0207 part 4
- Color coded to VDE-0293-308
- PVC compound outer jacket TM2 to VDE 0207 part 5

Technical Characteristics

-Working voltage:

H05VVH6-F : 300/500 V

H07VVH6-F: 450/700 V

-Test voltage:

H05VVH6-F : 2 KV

H07VVH6-F: 2.5 KV

-Bending radius: 10 × cable Ø

-Flexing temperature: - 5° C to + 70° C

-Static temperature : -40° C to +70° C

-Flame retardant: test class B according to VDE 0472 part 804, IEC 60332-1

-Insulation resistance: 20 MΩ x km





Cable Parameter

AWG	No. of Cores x Nominal Cross Sectional Area # x mm ²	Nominal Conductor Diameter mm	Nominal Thickness of Insulation mm	Nominal Overall Diameter mm	Nominal Copper Weight kg/Km	Nominal Weight kg/Km
H05VVH6-F						
18(24/32)	4 x 0.75	1.2	0.6	4.2 x 12.6	29	90
18(24/32)	8x 0.75	1.2	0.6	4.2 x 23.2	58	175
18(24/32)	12x 0.75	1.2	0.6	4.2 x 33.8	86	260
18(24/32)	18x 0.75	1.2	0.6	4.2 x 50.2	130	380
18(24/32)	24x 0.75	1.2	0.6	4.2 x 65.6	172	490
17(32/32)	4 x 1.00	1.4	0.7	4.4 x 13.4	38	105
17(32/32)	5x1.00	1.4	0.7	4.4 x 15.5	48	120
17(32/32)	8 x 1.00	1.4	0.7	4.4 x 24.8	77	205
17(32/32)	12x 1.00	1.4	0.7	4.4 x 36.2	115	300
17(32/32)	18x 1.00	1.4	0.7	4.4 x 53.8	208	450
17(32/32)	24x 1.00	1.4	0.7	4.4 x 70.4	230	590
H07VVH6-F						
16(30/30)	4 x1.5	1.5	0.8	5.1 x 14.8	130	58
16(30/30)	5 x1.5	1.5	0.8	5.1 x 17.7	158	72
16(30/30)	7 x1.5	1.5	0.8	5.1 x 25.2	223	101
16(30/30)	8 x1.5	1.5	0.8	5.1 x 27.3	245	115
16(30/30)	10 x1.5	1.5	0.8	5.1 x 33.9	304	144
16(30/30)	12 x1.5	1.5	0.8	5.1 x 40.5	365	173
16(30/30)	18 x1.5	1.5	0.8	6.1 x 61.4	628	259
16(30/30)	24 x1.5	1.5	0.8	5.1 x 83.0	820	346
14(30/50)	4 x2.5	1.9	0.8	5.8 x 18.1	192	96
14(30/50)	5 x2.5	1.9	0.8	5.8 x 21.6	248	120
14(30/50)	7 x2.5	1.9	0.8	5.8 x 31.7	336	168
14(30/50)	8 x2.5	1.9	0.8	5.8 x 33.7	368	192
14(30/50)	10 x2.5	1.9	0.8	5.8 x 42.6	515	240
14(30/50)	12 x2.5	1.9	0.8	5.8 x 49.5	545	288
14(30/50)	24 x2.5	1.9	0.8	5.8 x 102.0	1220	480
12(56/28)	4 x4	2.5	0.8	6.7 x 20.1	154	271
12(56/28)	5 x4	2.5	0.8	6.9 x 26.0	192	280
12(56/28)	7 x4	2.5	0.8	6.7 x 35.5	269	475
10(84/28)	4 x6	3.0	0.8	7.2 x 22.4	230	359
10(84/28)	5 x6	3.0	0.8	7.4 x 31.0	288	530
10(84/28)	7 x6	3.0	0.8	7.4 x 43.0	403	750
8(80/26)	4 x10	4.0	1.0	9.2 x 28.7	384	707
8(80/26)	5 x10	4.0	1.0	11.0 x 37.5	480	1120
6(128/26)	4 x16	5.6	1.0	11.1 x 35.1	614	838
6(128/26)	5 x16	5.6	1.0	11.2 x 43.5	768	1180