

PVC Flatform Cable (H07VVH6-F)

Cable Application

Widely used on festoon systems supplying power and control to all types of moving machinery. Suitable in dry, wet and moist rooms and are used in conveyor and hoisting equipment etc, and as feed cable for mobile machine components. These cables have significant smaller bending radius compared to round cables.

Technical Information

Conductor:	Flexible plain copper
Stranding:	According to VDE 0295, class 5, IEC 60228
Insulation:	PVC
Core Marking:	up to 5 cores colour coded in accordance to VDE 0293; 7 cores and more are number coded with a green/yellow earth
Outer Sheath:	Black PVC
Voltage Rating:	1mm ² - 300/500V 1.5mm ² up to 95mm ² : 300/500V
Temperature Range:	Flexing: -15°C to +70°C • Static: -30°C to +70°C
Bending Radius:	10 x Ø

Cores	Cross section mm ²	Outer diameter mm	Current rating at 30°C (amps)	Weight kg/km
12	1	35 x 4.3	-	39.2
16	1	46 x 4.3	-	52.1
20	1	57 x 4.3	-	64.2
24	1	68 x 4.3	-	77.2
4	1.5	14.5 x 5.2	19	13
5	1.5	17.5 x 5.2	19	16
7	1.5	25.3 x 5.2	19	23
8	1.5	25.3 x 5.2	19	26
10	1.5	27.3 x 5.2	19	32
12	1.5	40.8 x 5.2	19	38.5
18	1.5	61.8 x 5.2	19	66.5
24	1.5	83 x 5.2	19	82
4	2.5	17.5 x 5.9	25	19
5	2.5	21.1 x 5.9	25	23.5
7	2.5	31.1 x 5.9	25	34

Cores	Cross section mm ²	Outer diameter mm	Current rating at 30°C (amps)	Weight kg/km
8	2.5	33.1 x 5.9	25	37
10	2.5	42.6 x 5.9	25	51.5
12	2.5	49.1 x 5.9	25	56
24	2.5	102 x 5.9	25	122
4	4	20 x 6.9	34	27
5	4	26 x 6.9	34	28
7	4	35.3 x 6.9	34	48
4	10	27.6 x 9.3	60	58
5	10	37.5 x 11	60	112
4	16	43.5 x 11.2	80	118
4	25	41.2 x 13	101	134
4	35	49.6 x 14.5	126	180
4	50	58.4 x 17.5	153	252
4	70	63 x 20	196	367
4	95	73 x 21	238	453



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