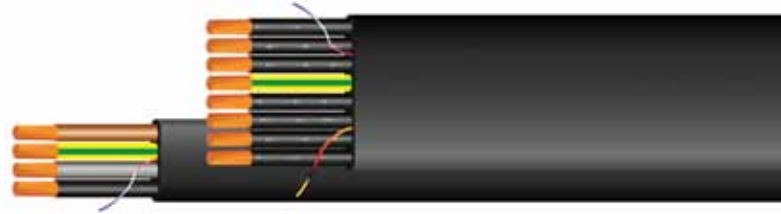


H07VVH6-F PVC Flat Cable



Construction 450/750V cables, PVC insulated and PVC sheathed. Insulation includes threads in each group of cores to assist when stripping the outer sheath. Plain copper conductors to IEC 60228 Class 5.

Application These power and control cables can be used on festoon systems on handling equipment, e.g. overhead cranes. Specially designed for indoor and outdoor applications.

No. cores × cross-sec. mm ²	Approx. outer dimensions mm	Approx. weight kg/km	Product code
Power			
4 G 4	21 × 6.5	300	FC4G4
4 G 6	23 × 7	390	FC4G6
4 G 10	29 × 9	620	FC4G10
4 G 16	37 × 11	990	FC4G16
4 G 25	46 × 13.5	1550	FC4G25
4 G 35	51 × 14.8	2030	FC4G35
4 G 50	56 × 16.5	2650	FC4G50
4 G 70	63 × 18	3650	FC4G70
4 G 95	73 × 20.5	4550	FC4G95
5 G 4	25 × 6.5	380	FC5G4
5 G 6	28 × 7	480	FC5G6
5 G 10	35 × 9	780	FC5G10
5 G 16	43 × 11	1200	FC5G16
7 G 4	37 × 6.5	550	FC7G4
7 G 6	41 × 7	700	FC7G6
Control			
4 G 1.5	15 × 5	150	FC4G1.5
4 G 2.5	18.5 × 6	210	FC4G2.5
5 G 1.5	18 × 5	180	FC5G1.5
5 G 2.5	22 × 6	260	FC5G2.5
7 G 1.5	26 × 5	260	FC7G1.5
7 G 2.5	32 × 6	380	FC7G2.5
8 G 1.5	29 × 5	300	FC8G1.5
8 G 2.5	35 × 6	405	FC8G2.5
10 G 1.5	35 × 5	360	FC10G1.5
12 G 1.5	40.5 × 5	420	FC12G1.5
12 G 2.5	50.5 × 6	620	FC12G2.5
12 G 4	57 × 6.5	880	FC12G4
14 G 1.5	48 × 5	490	FC14G1.5
16 G 1.5	54 × 5	560	FC16G1.5
18 G 1.5	58 × 5	620	FC18G1.5

Mechanical Properties

Tensile stress of the conductor	static	15N/mm ²
	dynamic	30N/mm ²
Bending radii	Refer to page 34	
Tests	Bending test	
Travelling festoon speed	up to 120m/min	

Electrical and Thermal Properties

Nominal voltage	U ₀ /U	450/750V
Maximum operating voltage		
in AC systems	U _m	750V
Test Voltage:	2.5kV–50Hz in AC	
Current Rating	Refer to page 34	
Max. temperature at the conductor:		
	in service	+70°C
	in short-circuit	+150°C
Max. surface temperature	fixed installations	-35°C up to +60°C
	mobile operation	-25°C up to +60°C

Cores Identifications

In accordance with HD 308 S2	
4 cores: black, grey, green/yellow, brown	
5 cores: black, grey, green/yellow, brown, blue	
>5 cores: black with white printed numbers + green/yellow	

