

VCVH6-F

Screened PVC Flat Cable



Construction 300/500V (control) and 0.6/1 (1.2)kV (power) cables, PVC insulated and outer sheath, screened with plain copper braid (control) and plain copper spinning on phase cores - earth core is unscreened (power), plain copper conductors to IEC 60228 Class 5.

Application These power and control cables can be used for hoisting control systems in festoons on overhead cranes. Copper screens are efficient against electro magnetic disturbances caused by power and control cables.

No. cores × cross-sec. mm ²	Approx. outer dimensions mm	Approx. weight kg/km	Product code
Power			
4 G 4	23 × 7	360	FCY4G4
4 G 6	29 × 9	580	FCY4G6
4 G 10	37 × 11	900	FCY4G10
4 G 16	46 × 14	1280	FCY4G16
4 G 25	50 × 14.5	1800	FCY4G25
4 G 35	55 × 16	2300	FCY4G35
Control			
4 × 1.5	18 × 5.5	220	FCY4 × 1.5
8 × 1.5	34 × 5.5	430	FCY8 × 1.5
12 × 1.5	50 × 5.5	650	FCY12 × 1.5

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

Test Voltage:	control	2.0kV–50Hz in AC
	power	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

Power: black, grey, brown, green/yellow
Control: black with white printed numbers