

PVC-Insulated Flat Cables 450/750V
PVC Insulated, PVC Sheathed Flat
Cable, With & Without Earth-Core
CU/PVC/PVC

Application:

PVC sheathed flat cable is recommended for use in domestic, commercial or industrial wiring installations, where there is low risk of mechanical damages. It is suitable for general wiring unenclosed/enclosed or in conduit

Voltage Rating:	450/750V
Construction:	Plain annealed copper; V-90 insulated, 5V-90 sheathed cable
Insulation Colour:	2C+E : Red, Black & Green/Yellow 3C+E: Red, White, Blue & Green/Yellow
Sheath Colour:	Grey, White or as per order
Specification:	AS/NZS 5000.2, AS/NZS 1125, AS/NZS 1660, AS/NZS 3808

Operating Temperature: 90°C

With Earth-Core

Cores (no.)	Conductor		Nominal Insulation Thickness (mm)	Conductor		Nominal Insulation Thickness (mm)	(mm)	(mm)	(kg/km)
	Nominal Area (mm ²)	Class (no.)		Nominal Area (mm ²)	Nominal Insulation Thickness (mm)				
2C+E	1.0	1	0.6	1.0	0.6	0.9	40.9	77	
	1.0	2	0.6	1.0	0.6	0.9	42.1	79	
	1.5	1	0.6	1.5	0.6	0.9	45.5	94	
	1.5	2	0.6	1.5	0.6	0.9	49.8	100	
	2.5	2	0.7	2.5	0.7	1.0	72.1	150	
	4	2	0.8	2.5	0.7	1.1	96.2	204	
	6	2	0.8	2.5	0.7	1.1	112.7	254	
	10	2	1.0	4	0.8	1.2	170.3	400	
3C+E	16	2	1.0	6	0.8	1.3	223.4	575	
	1.0	1	0.6	1.0	0.6	0.9	54.2	102	
	1.0	2	0.6	1.0	0.6	0.9	55.9	104	
	1.5	1	0.6	1.5	0.6	0.9	60.8	125	
	1.5	2	0.6	1.5	0.6	0.9	65.8	135	
	2.5	2	0.7	2.5	0.7	1.0	95.2	200	
	4	2	0.8	2.5	0.7	1.1	128.7	280	
	6	2	0.8	2.5	0.7	1.1	150.5	355	
10	2	1.0	4	0.8	1.2	230.5	560		
16	2	1.0	6	0.8	1.3	301.8	800		

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Without Earth-Core

Cores (no.)	Conductor			Nominal Insulation Thickness (mm)	Nominal Sheath Thickness (mm)	Approx. Overall Dia. (mm)	Approx. Weight (kg/km)
	Nominal Area (mm ²)	Class (no.)	Approx. Dia. (mm)				
2C	1.0	1	1.13	0.6	0.9	27.3	54
	1.0	2	1.29	0.6	0.9	29.2	54
	1.5	1	1.38	0.6	0.9	32.4	66
	1.5	2	1.59	0.6	0.9	34.8	69
	2.5	2	2.01	0.7	1.0	49.5	102
	4	2	2.55	0.8	1.1	68.9	150
	6	2	3.12	0.8	1.1	81.9	196
	10	2	4.05	1.0	1.2	127.3	316
3C	16	2	5.10	1.0	1.3	164.6	451
	1.0	1	1.13	0.6	0.9	39.1	75
	1.0	2	1.29	0.6	0.9	40.4	77
	1.5	1	1.38	0.6	0.9	43.7	92
	1.5	2	1.59	0.6	0.9	48.4	97
	2.5	2	2.01	0.7	1.0	70.4	148
	4	2	2.55	0.8	1.1	100.1	217
	6	2	3.12	0.8	1.1	120.4	288
10	2	4.05	1.0	1.2	187.5	465	
16	2	5.10	1.0	1.3	247.9	670	