



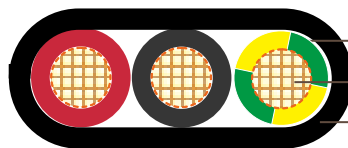
PVC Insulated, 2 Core + E Flat Cables, 450/750V

Application

These cables are used for general wiring, unenclosed, enclosed in conduit, buried direct or in underground ducts for domestic, commercial and industrial installations where not subject to mechanical damage. Suitable for single phase applications requiring neutral and E.

Standard

AS/NZS 5000.2,
AS 1125, AS 3808



PVC insulation
Plain annealed copper conductor
PVC outer jacket

Cable Construction

Conductor: Plain annealed copper

Maximum operating temperature: 90°C

Insulation: PVC V90

Insulation colour: Red, Black, Green/yellow

Sheath: Polyvinylchloride compound PVC 3V90

Sheath colour: White, other colors are available upon request

Technical Characteristics

Conductor Nominal Area mm ²	Current Ratings			Electrical Characteristics			
	Unenclosed In Air A	Surrounded by thermal insulation A	Buried In Ducts A	Maximum DC Resistance @20°C Ohm/km	Maximum AC Resistance @75°C Ohm/km	Reactance Ohm/km	Single Phase Voltage Drop mV/Am
1	16	8	19	18.1	27.0	0.119	54.1
1.5	21	10	24	13.6	17.3	0.111	34.7
2.5	30	15	34	7.41	9.45	0.102	19.0
4	39	19	44	4.61	5.88	0.102	11.8
6	50	25	56	3.08	3.93	0.0967	7.9
10	68	34	75	1.83	2.33	0.0906	4.7
16	91	46	97	1.15	1.47	0.0861	2.95



Cable Parameter

Nom. conductor area mm ²	Conductor No./ OD	Nom. insulation thickness mm	earth conductor area mm ²	Nom. sheath thickness mm	Nom. overall diameter mm		Approx. mass kg/km
					Min	Max	
1.0	1/1.13	0.6	1.0	0.9	8.8x4.1	9.3x4.4	75
1.5	7/0.50	0.6	1.5	0.9	10.0x4.5	10.0x4.5	95
2.5	7/0.67	0.7	2.5	1	12.1x5.4	12.7x5.7	145
4	7/0.85	0.8	2.5	1.1	13.7x6.3	14.4x6.6	220
6	7/1.04	1.0	2.5	1.1	14.9x6.9	15.6x7.3	290
10	7/1.35	1.0	4	1.2	18.9x8.3	19.0x8.7	440
16	7/1.70	1.0	6	1.3	21.0x9.5	22.0x10.0	645