



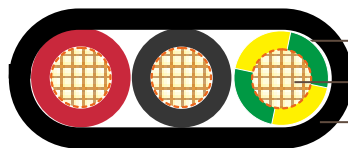
### PVC Insulated, 2 Core + E Flat Cables, 450/750V

#### 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 <sup>2</sup>	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 <sup>2</sup>	Conductor No./ OD	Nom. insulation thickness mm	earth conductor area mm <sup>2</sup>	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