



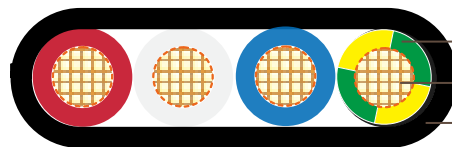
### PVC Insulated, 3 Core + E Flat Cables, 450/750V

#### 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 balanced three phase applications with 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, White, Blue, 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	Three Phase Voltage Drop mV/Am
1	14	7	17	18.1	27.0	0.119	46.8
1.5	17	9	21	13.6	17.3	0.111	30.0
2.5	25	13	29	7.41	9.45	0.102	16.4
4	33	17	37	4.61	5.88	0.102	10.2
6	42	22	47	3.08	3.93	0.0967	6.8
10	58	29	63	1.83	2.33	0.0906	4.05
16	78	39	81	1.15	1.47	0.0861	2.55



### 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	11.1x4.1	11.8x4.4	95
1.5	7/0.50	0.6	1.5	0.9	12.6x4.5	13.3x4.8	120
2.5	7/0.67	0.7	2.5	1	15.6x5.4	16.4x5.7	190
4	7/0.85	0.8	2.5	1.1	17.7x6.2	18.6x6.7	290
6	7/1.04	1.0	2.5	1.1	19.5x6.9	20.4x7.3	370
10	7/1.35	1.0	4	1.2	24.0x8.2	24.5x8.7	540
16	7/1.70	1.0	6	1.3	27.8x9.5	29.1x10.0	820