



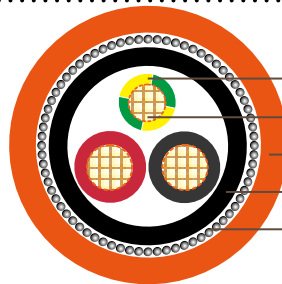
## PVC Insulated, PVC Sheathed 2 core+E Armored Cables, 0.6/1kV

### Application

These cables are used for mains, submains and subcircuits unenclosed, enclosed in conduit, buried direct or in underground ducts for buildings and industrial plants where not subject to mechanical damage.

### Standard

AS/NZS 5000.1  
AS/NZS 3008  
AS/NZS 1125



PVC insulation  
Plain annealed copper conductor  
PVC sheath  
PVC bedding  
Galvanised steel wire armour

### Cable Construction

**Conductor:** Plain annealed copper

**Insulation:** Polyvinylchloride compound PVC V-90.

**Insulation colour:** 2C + E - Red, Black, Green/yellow

**Bedding:** Polyvinylchloride compound PVC 5V-90

**Bedding colour:** Black

**Armour:** Galvanised Steel Wire

**Sheath:** Polyvinylchloride compound PVC 5V-90

**Sheath colour:** Orange, other colors are available upon request

### Technical Characteristics

Conductor	Current Ratings			Electrical Characteristics			
	Nominal Area mm <sup>2</sup>	Unenclosed In Air A	Buried Direct A	Buried In Ducts A	Maximum DC Resistance @20°C Ohm/km	Maximum AC Resistance @75°C Ohm/km	Reactance Ohm/km
1.5	18	28	22	13.6	16.5	0.111	33.0
2.5	26	40	31	7.41	9.01	0.102	18.0



## Australian Standard

Conductor	Current Ratings			Electrical Characteristics			
	Nominal Area mm <sup>2</sup>	Unenclosed In Air A	Buried Direct A	Buried In Ducts A	Maximum DC Resistance @20°C Ohm/km	Maximum AC Resistance @75°C Ohm/km	Reactance Ohm/km
4	34	52	40	4.61	5.61	0.102	11.2
6	44	65	51	3.08	3.75	0.0967	7.50
10	60	87	68	1.83	2.23	0.0906	4.46
16	80	115	88	1.15	1.40	0.0861	2.81
25	105	145	115	0.727	0.884	0.0853	1.78
35	130	180	140	0.524	0.638	0.0826	1.28
50	160	210	165	0.387	0.471	0.0797	0.957
70	200	260	205	0.268	0.327	0.0770	0.673
95	250	310	250	0.193	0.236	0.0766	0.498

## Cable Parameter

Nom. conductor area mm <sup>2</sup>	Conductor No./ OD	Nom. insulation thickness mm	Nom. earth conductor area mm <sup>2</sup>	Nom. earth conductor insulation thickness mm	Nom. diameter over bedding mm	Armour diameter mm	Nom. overall diameter mm	Approx. mass kg/km
1.5	7/0.50	0.8	1.5	0.6	9.0	0.9	14.5	470
2.5	7/0.67	0.8	2.5	0.7	10.0	0.9	15.6	490
4	7/0.85	1.0	2.5	0.7	11.4	0.9	16.9	690
6	7/1.04	1.0	2.5	0.7	12.5	0.9	18.0	765
10	7/1.35	1.0	4.0	1.0	14.2	1.25	20.5	937
16	7/1.70	1.0	6.0	1.0	16.3	1.25	22.5	1295
25	7/2.14	1.2	6.0	1.0	20.0	1.6	27.0	1600
35	7/2.65	1.2	10	1.0	21.7	1.6	28.1	1775
50	19/1.89	1.4	16	1.0	24.7	1.6	31.3	2215
70	19/2.24	1.4	25	1.2	28.7	2.0	35.1	2880
95	19/2.65	1.6	25	1.2	32.6	2.0	40.4	3910