



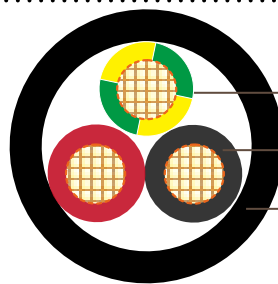
## PVC Insulated, PVC Sheathed 2 core+E Unarmored Cables, 0.6/1kV

### 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



Plain annealed copper conductor  
PVC insulation  
PVC sheath

### Cable Construction

**Conductor:** Plain annealed copper.

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

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

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

**Sheath colour:** Black, 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	14	22	13.6	16.5	0.111	33.0
2.5	26	20	31	7.41	9.01	0.102	18.0
4	34	26	40	4.61	5.61	0.102	11.2
6	44	34	51	3.08	3.75	0.0967	7.50
10	60	47	68	1.83	2.23	0.0906	4.46



## 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
16	80	63	88	1.15	1.40	0.0861	2.81
25	105	88	115	0.727	0.884	0.0853	1.78
35	130	105	140	0.524	0.638	0.0826	1.28
50	160	125	165	0.387	0.471	0.0797	0.957
70	200	155	205	0.268	0.327	0.0770	0.673
95	250	190	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. overall diameter mm	Approx. mass kg/km
1.5	7/0.50	0.8	1.5	0.6	10.6	160
2.5	7/0.67	0.8	2.5	0.7	11.6	220
4	7/0.85	1.0	2.5	0.7	13.1	295
6	7/1.04	1.0	2.5	0.7	14.2	335
10	7/1.35	1.0	4	1.0	15.9	440
16	7/1.70	1.0	6	1.0	17.9	620
25	7/2.14	1.2	6	1.0	21.6	840
35	7/2.65	1.2	10	1.0	22.8	1090
50	19/1.89	1.4	16	1.0	25.8	1465
70	19/2.24	1.4	25	1.2	30.4	1900
95	19/2.65	1.6	25	1.2	34.8	2500