



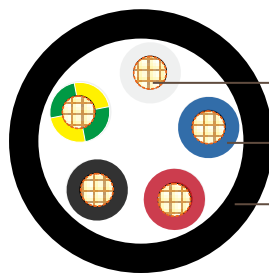
### PVC Insulated, PVC Sheathed 4 core+E Unarmored Cables, 0.6/1kV

#### 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:** 4C + E - Red, White, Blue, 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	15	13	19	13.6	16.5	0.111	28.6
2.5	22	18	26	7.41	9.01	0.102	15.6
4	29	24	34	4.61	5.61	0.102	9.71
6	37	31	43	3.08	3.75	0.0967	6.49
10	51	42	57	1.83	2.23	0.0906	3.86



Conductor	Current Ratings			Electrical Characteristics			
	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	Three Phase Voltage Drop @75°C mV/Am
16	68	56	74	1.15	1.40	0.0861	2.43
25	91	79	96	0.727	0.884	0.0853	1.54
35	110	92	115	0.524	0.638	0.0826	1.11
50	135	110	140	0.387	0.471	0.0797	0.829
70	170	140	175	0.268	0.327	0.0770	0.583
95	215	165	210	0.193	0.236	0.0766	0.431
120	245	195	240	0.153	0.188	0.0743	0.351
150	280	225	270	0.124	0.153	0.0745	0.296
185	325	260	310	0.0991	0.123	0.0744	0.251
240	385	305	370	0.0754	0.0955	0.0735	0.210

### 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	12.4	225
2.5	7/0.67	0.8	2.5	0.7	13.7	280
4	7/0.85	1.0	2.5	0.7	15.6	400
6	7/1.04	1.0	2.5	0.7	16.8	510
10	7/1.35	1.0	4.0	1.0	20.3	730
16	7/1.70	1.0	6.0	1.0	22.9	1015
25	7/2.14	1.2	6.0	1.0	26.9	1540
35*	7/2.65	1.2	10	1.0	27.7	1930
50*	19/1.89	1.4	16	1.0	33.5	2470
70*	19/2.24	1.4	25	1.2	37.0	3710
95*	19/2.65	1.6	25	1.2	44.8	5025
120*	19/2.94	1.6	35	1.2	48.5	5870
150*	19/3.28	1.8	50	1.4	51.0	7150
185*	37/2.65	2.0	70	1.4	56.7	8990
240*	37/2.94	2.2	95	1.6	64.6	11910