



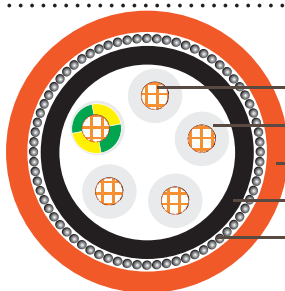
### PVC Insulated, PVC Sheathed Multicore+E Armored Control Cables 0.6/1kV

#### Application

These cables are used for control circuits unenclosed, enclosed in conduit, buried direct or in underground ducts for commercial, industrial, mining and electricity authority systems where mechanical damage may occur.

#### Standard

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



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

#### Cable Construction

**Conductor:** Plain annealed copper.

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

**Insulation colour:** White(black letter numbered), Green/yellow

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

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

#### Technical Characteristics

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
1.5mm <sup>2</sup>							
2C+E	18	28	22	13.6	16.5	0.111	33.0
3-50C+ E	15	24	19	13.6	16.5	0.111	33.0
2.5mm <sup>2</sup>							
2C+E	26	40	31	7.41	9.01	0.102	18.0
3-50C+ E	22	34	26	7.41	9.01	0.102	18.0



### Cable Parameter

No. of Cores	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
1.5mm <sup>2</sup>								
2C+ E	7/0.50	0.8	1.5	0.6	9.0	0.90	14.5	405
3C+ E	7/0.50	0.8	1.5	0.6	9.8	0.90	15.4	440
4C+ E	7/0.50	0.8	1.5	0.6	10.7	0.90	16.3	550
6C+ E	7/0.50	0.8	1.5	0.6	11.7	0.90	17.3	690
8C+ E	7/0.50	0.8	1.5	0.6	13.6	1.25	19.9	770
10C+ E	7/0.50	0.8	1.5	0.6	14.9	1.25	21.2	920
12C+ E	7/0.50	0.8	1.5	0.6	16.2	1.25	22.5	1010
15C+ E	7/0.50	0.8	1.5	0.6	17.1	1.60	23.4	1110
20C+ E	7/0.50	0.8	1.5	0.6	19.0	1.60	26.0	1535
25C+ E	7/0.50	0.8	1.5	0.6	21.7	1.60	28.7	1670
30C+ E	7/0.50	0.8	1.5	0.6	23.5	1.60	30.4	1840
40C+ E	7/0.50	0.8	1.5	0.6	26.4	1.60	34.8	2260
50C+ E	7/0.50	0.8	1.5	0.6	28.9	1.60	36.1	2400
2.5mm <sup>2</sup>								
2C+ E	7/0.67	0.8	2.5	0.7	10.0	0.90	15.6	210
3C+ E	7/0.67	0.8	2.5	0.7	10.9	0.90	16.5	250
4C+ E	7/0.67	0.8	2.5	0.7	12.0	0.90	17.6	285
6C+ E	7/0.67	0.8	2.5	0.7	13.1	1.25	19.4	365
8C+ E	7/0.67	0.8	2.5	0.7	15.3	1.25	23.0	455
10C+ E	7/0.67	0.8	2.5	0.7	16.8	1.25	23.0	530
12C+ E	7/0.67	0.8	2.5	0.7	18.3	1.60	25.2	605
15C+ E	7/0.67	0.8	2.5	0.7	19.3	1.60	26.3	715
20C+ E	7/0.67	0.8	2.5	0.7	21.5	1.60	28.5	950
25C+ E	7/0.67	0.8	2.5	0.7	24.6	1.60	31.8	1095
30C+ E	7/0.67	0.8	2.5	0.7	26.6	1.60	33.8	1200
40C+ E	7/0.67	0.8	2.5	0.7	30.4	2.0	38.8	1565
50C+ E	7/0.67	0.8	2.5	0.7	33.3	2.0	41.7	1925