



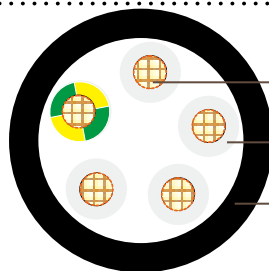
PVC Insulated, PVC Sheathed Multi-core+E Control Cables 0.6/1kV

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 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: 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 ²							
2C+E	18	14	22	13.6	16.5	0.111	33.0
3-50C+ E	15	13	19	13.6	16.5	0.111	33.0
2.5mm ²							
2C+E	26	20	31	7.41	9.01	0.102	18.0
3-50C+ E	22	18	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 ²	Nom. earth conductor insulation thickness mm	Nom. overall diameter mm	Approx. mass kg/km
1.5mm ²						
2C+ E	7/0.50	0.8	1.5	0.6	10.6	165
3C+ E	7/0.50	0.8	1.5	0.6	11.5	190
4C+ E	7/0.50	0.8	1.5	0.6	12.4	215
6C+ E	7/0.50	0.8	1.5	0.6	13.4	275
8C+ E	7/0.50	0.8	1.5	0.6	16.6	340
10C+ E	7/0.50	0.8	1.5	0.6	16.9	375
12C+ E	7/0.50	0.8	1.5	0.6	17.9	435
15C+ E	7/0.50	0.8	1.5	0.6	18.9	525
20C+ E	7/0.50	0.8	1.5	0.6	20.7	680
25C+ E	7/0.50	0.8	1.5	0.6	22.9	785
30C+ E	7/0.50	0.8	1.5	0.6	25.8	845
40C+ E	7/0.50	0.8	1.5	0.6	28.0	1190
50C+ E	7/0.50	0.8	1.5	0.6	30.8	1290
2.5mm ²						
2C+ E	7/0.67	0.8	2.5	0.7	11.6	210
3C+ E	7/0.67	0.8	2.5	0.7	12.6	250
4C+ E	7/0.67	0.8	2.5	0.7	13.7	285
6C+ E	7/0.67	0.8	2.5	0.7	14.8	365
8C+ E	7/0.67	0.8	2.5	0.7	18.4	455
10C+ E	7/0.67	0.8	2.5	0.7	19.9	530
12C+ E	7/0.67	0.8	2.5	0.7	20.0	605
15C+ E	7/0.67	0.8	2.5	0.7	21.0	715
20C+ E	7/0.67	0.8	2.5	0.7	25.7	950
25C+ E	7/0.67	0.8	2.5	0.7	26.3	1095
30C+ E	7/0.67	0.8	2.5	0.7	28.3	1200
40C+ E	7/0.67	0.8	2.5	0.7	33.5	1565
50C+ E	7/0.67	0.8	2.5	0.7	35.0	1925