



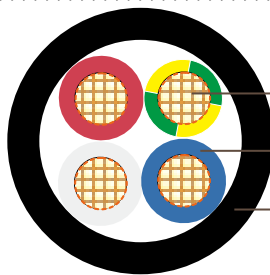
PVC Insulated, PVC Sheathed 3 core+E Round Cables, 450/750V

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:** 3C + E – Red, White, Blue, Green/yellow
- Sheath:** Polyvinylchloride compound PVC 5V-90
- Sheath colour:** Black, 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
1.5	17	26	21	13.6	16.5	0.111	28.6
2.5	25	37	29	7.41	9.01	0.102	15.6
4	33	48	37	4.61	5.61	0.102	9.71
6	42	61	47	3.08	3.75	0.0967	6.49



Cable Parameter

Nom. conductor area mm ²	Conductor No./ OD	Nom. insulation thickness mm	Nom. earth conductor area mm ²	Nom. sheath thickness mm	Nom. overall diameter mm	Approx. mass kg/km
1.5	7/0.50	0.6	1.5	0.9	9.2	130
2.5	7/0.67	0.7	2.5	1	11.4	210
4	7/0.85	0.8	2.5	1.1	12.4	280
6	7/1.04	1.0	2.5	1.1	13.8	330