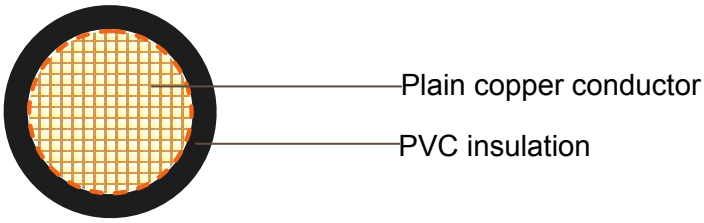
PVC Insulated, Single Core Cable, 450/750V

Application

These cables are used for switchboard and control panel wiring, and for fixed wiring within other enclosures or apparatus where the cable is not accessible without the use of tools.

Standard

AS/NZS 5000.2
AS 1125
AS 3808



Cable Construction

Conductor: Plain annealed copper.
Maximum operating temperature: 90°C
Insulation: PVC V90
Insulation colour: Red/Black
Sheath: Polyvinylchloride compound PVC 3V90
Sheath colour: White, other colors are available upon request

Technical Characteristics

Conductor Nominal Area mm^2	Current Ratings			Electrical Characteristics			
	Unenclosed In Air A	Surrounded by thermal insulation A	Buried In Ducts A	Maximum DC Resistance @20°C Ohm/km	Maximum AC Resistance @75°C Ohm/km	Reactance Ohm/km	Single Phase Voltage Drop mV/Am
1	15	26	20	18.1	27.0	0.168	54.0
1.5	18	34	26	13.6	17.3	0.157	34.6
2.5	26	47	36	7.41	9.45	0.143	18.9
4	35	62	46	4.61	5.88	0.137	11.8
6	46	78	58	3.08	3.93	0.128	7.86
10	62	103	78	1.83	2.33	0.118	4.68
16	82	132	100	1.15	1.47	0.111	2.94

Australian Standard

Cable Parameter

Nom. conductor area mm^2	Conductor No./ OD	Nom. insulation thickness mm	Nom. sheath thickness mm	Nom. overall diameter mm	Approx. mass kg/km
1.0	1/1.13	0.6	0.9	4.1	30
1.5	7/0.50	0.6	0.9	4.4	35
2.5	7/0.67	0.7	1	5.1	55
4	7/0.85	0.8	1.1	6.0	80
6	7/1.04	1.0	1.1	6.6	100
10	7/1.35	1.0	1.2	7.8	145
16	7/1.70	1.0	1.3	9.1	225