



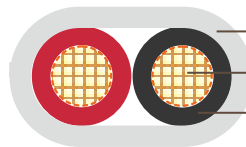
PVC Insulated, 2 Cores Flat Cables, 450/750V

Application

These cables are used for general wiring, unenclosed, enclosed in conduit, buried direct or in underground ducts for domestic, commercial and industrial installations where not subject to mechanical damage. Suitable for lighting and applications not requiring earth.

Standard

AS/NZS 5000.2
AS 1125
AS 3808



PVC outer jacket
Plain annealed copper conducto
PVC insulation

Cable Construction

Conductor: Plain annealed copper.

Maximum operating temperature: 90°C

Insulation: PVC V90

Insulation colour: 2C cable: 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	16	8	19	18.1	27.0	0.119	54.0
1.5	21	10	24	13.6	17.3	0.111	34.6
2.5	30	15	34	7.41	9.45	0.102	18.9
4	39	19	44	4.61	5.88	0.102	11.8
6	50	25	56	3.08	3.93	0.0967	7.86



Australian Standard

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
10	68	34	75	1.83	2.33	0.0906	4.68
16	91	46	97	1.15	1.47	0.0861	2.94

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
				Min	Max	
1.0	1/1.13	0.6	0.9	6.5x4.1	6.9x4.4	50
1.5	7/0.50	0.6	0.9	7.2x4.5	7.6x4.8	65
2.5	7/0.67	0.7	1	8.7x5.4	9.2x5.7	105
4	7/0.85	0.8	1.1	10.3x6.3	10.9x6.6	145
6	7/1.04	1.0	1.1	11.5x6.8	12.0x7.2	195
10	7/1.35	1.0	1.2	14.1x8.3	14.7x8.7	295
16	7/1.70	1.0	1.3	16.4x9.5	17.1x10.0	435