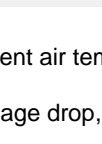
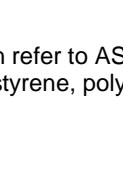
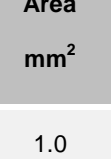


APPLICATION Easi-peel sheath for general wiring, unenclosed, enclosed in conduit, buried direct or in underground ducts for domestic, commercial and industrial installations where not subject to mechanical damage.	STANDARD VOLTAGE	AS/NZS 5000.2 450/750V
	CONDUCTOR INSULATION	Copper 1 - 16mm ² PVC, V-90 Red, White, Blue & Green/Yellow
	SHEATH	PVC, 3V-90 White
	MAX. OPERATING TEMP.	90 °C

Item Number	Conductor		Overall Diameter Nominal mm	Approx. Mass kg/km	Minimum Installed Bending Radius mm
	mm ²	(No./mm)			
DC409	1	1/1.13	4.3 x 11.5	90	70
DC429	1.5	7/0.50	4.7 x 12.9	145	80
DC439	2.5	7/0.67	5.5 x 15.9	190	100
DC459	4	7/0.85	6.5 x 18.2	290	110
DC469	6	7/1.04	7.0 x 19.9	370	120
DC479	10	7/1.35	8.5 x 24.5	550	150
DC489	16	7/1.70	9.7 x 28.4	820	170

CONDUCTOR Nominal Area mm ²	CURRENT RATING (a)			ELECTRICAL CHARACTERISTICS			
	Unenclosed In Air  A	Surrounded by thermal insulation  A	Buried In Ducts  A	Maximum DC Resistance @20°C Ω/km	Maximum AC Resistance @90°C Ω/km	Equivalent Star Reactance Ω/km	3 Phase Voltage Drop @90°C mV/Am (b)
1	12	6	14	21.2	27.0	0.119	46.8
1.5	15	8	18	13.6	17.3	0.111	30.0
2.5	22	11	25	7.41	9.45	0.102	16.4
4	29	15	33	4.61	5.88	0.102	10.2
6	37	19	42	3.08	3.93	0.0967	6.80
10	51	25	55	1.83	2.33	0.0906	4.05
16	68	34	96	1.15	1.47	0.0861	2.55

(a) Based on 40°C ambient air temperature and where applicable, burial depth of 0.5m, soil temperature of 25°C and soil resistivity of 1.2°C.m/W.

(b) For single phase voltage drop, multiple by 1.155.

The above information is from the following sources:

AS/NZS 3008.1.1:2009 (tables 13, 30, 35, 42)

AS 1125:2001 (table 2.3)

For installation with thermal insulation refer to AS/NZS 3008 for de-rating factors.

Do not put in direct contact with polystyrene, polyurethane or similar thermal insulation materials.

ACTIVE / CONDUCTOR			EARTH		
Nominal Area mm ²	Nominal Diameter mm	Minimum Insulation Thickness mm	Nominal Area mm ²	Number & Diameter of Wires No/mm	Minimum Insulation Thickness mm
1.0	1.1	0.6	1.0	7/0.50	0.6
1.5	1.5	0.6	1.5	7/0.50	0.6
2.5	2.0	0.7	2.5	7/0.67	0.7
4	2.5	0.7	2.5	7/0.67	0.7
6	3.0	0.8	2.5	7/0.67	0.7
10	3.9	1.0	4.0	7/0.85	0.8
16	4.9	1.0	6.0	7/1.04	0.8

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