




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, Black & Green/Yellow
	SHEATH	PVC, 3V-90 White
	MAX. OPERATING TEMP.	90 °C

Item Number	Conductor		Overall Diameter	Approx. Mass kg/km	Minimum Installed Bending Radius mm
	mm ²	(No./mm)	Nominal mm		
DC309	1	1/1.13	4.5 x 9.5	85	55
DC329	1.5	7/0.50	4.7 x 10.2	115	65
DC339	2.5	1/1.78	5.8 x 12.0	140	70
DC349	2.5	7/0.67	5.5 x 12.4	150	75
DC359	4	7/0.85	6.5 x 14.0	220	85
DC369	6	7/1.04	7.1 x 15.2	270	95
DC379	10	7/1.35	8.5 x 18.6	440	115
DC389	16	7/1.70	10.0 x 21.3	500	130

CONDUCTOR Nominal Area mm ²	CURRENT RATING (a)			ELECTRICAL CHARACTERISTICS			
	Unenclosed In Air 	Surrounded by thermal insulation 	Buried In Ducts 	Maximum DC Resistance @20°C Ω/km	Maximum AC Resistance @90°C Ω/km	Equivalent Star Reactance Ω/km	Single Phase Voltage Drop mV/Am
1 (1/1.13)	14	7	17	21.2	27.0	0.119	54.1
1.5 (7/0.50)	18	9	21	13.6	17.3	0.111	34.7
2.5 (7/0.67)	26	13	30	7.41	9.45	0.102	18.9
2.5 (1/1.78)	26	13	30	7.28	9.45	0.102	18.9
4 (7/0.85)	34	17	39	4.61	5.88	0.102	11.8
6 (7/1.04)	44	22	50	3.08	3.93	0.0967	7.85
10 (7/1.35)	60	30	66	1.83	2.33	0.0906	4.68
16 (7/1.70)	80	40	114	1.15	1.47	0.0861	2.95

(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.

The above information is from the following sources:

AS/NZS 3008.1.1:2009 (tables 10, 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 CONDUCTOR		
Nominal Area mm ²	Nominal Diameter mm	Min Insulation Thickness mm	Nominal Area mm ²	Number & Diameter of Wires No/mm	Min Insulation Thickness mm
1 (1/1.13)	1.1	0.6	1.0	7/0.50	0.6
1.5 (7/0.50)	1.5	0.6	1.5	7/0.50	0.6
2.5 (7/0.67)	2.0	0.7	2.5	7/0.67	0.7
2.5 (1/1.78)	1.8	0.7	2.5	7/0.67	0.7
4 (7/0.85)	2.5	0.8	2.5	7/0.67	0.7
6 (7/1.04)	3.1	0.8	2.5	7/0.67	0.7
10 (7/1.35)	3.9	1.0	4.0	7/0.85	0.8
16 (7/1.70)	4.9	1.0	6.0	7/1.04	0.8

DOMINION WIRE & CABLES LTD.

QUALITY CABLE MANUFACTURES, DISTRIBUTORS AND EXPORTERS

LOT 3, KINGS ROAD, YALALEVU, BA. P.O. BOX 1562, BA, FIJI.

PHONE: (679)6675244 FAX: (679)6670023,

E-Mail: sales@dominioncables.com

Web: www.dominioncables.com

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