

**APPLICATION**

Easi-peel sheath for general wiring, unenclosed, 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<sup>2</sup>  
PVC, V-90  
Red & Black or Red & White

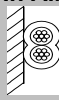


**SHEATH**

PVC, 3V-90  
White

**MAX. OPERATING TEMP.**

90 °C

Item Number	Insulation Colour	Conductor		Overall Diameter  Nominal mm	Approx. Mass  kg/km	Minimum Installed Bending Radius mm
		mm <sup>2</sup>	(No./mm)			
DC209 R/B	Red+Black	1	1/1.13	4.3 x 6.7	60	40
DC209 R/W	Red+White	1	1/1.13	4.3 x 6.7	60	40
DC229 R/B	Red+Black	1.5	7/0.50	4.7 x 7.4	80	50
DC229 R/W	Red+White	1.5	7/0.50	4.7 x 7.4	80	50
DC249 R/B	Red+Black	2.5	7/0.67	5.5 x 9.0	100	55
DC249 R/W	Red+White	2.5	7/0.67	5.5 x 9.0	100	55
DC259 R/B	Red+Black	4	7/0.85	6.5 x 10.6	140	65
DC259 R/W	Red+White	4	7/0.85	6.5 x 10.6	140	65
DC269 R/B	Red+Black	6	7/1.04	7.0 x 11.7	200	75
DC269 R/W	Red+White	6	7/1.04	7.0 x 11.7	200	75
DC279 R/B	Red+Black	10	7/1.35	8.5 x 14.4	400	90
DC279 R/W	Red+White	10	7/1.35	8.5 x 14.4	400	90
DC289 R/B	Red+Black	16	7/1.70	9.7 x 16.7	600	100

CONDUCTOR Nominal Area  mm <sup>2</sup>	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	Single Phase Voltage Drop @90°C  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	7.41	9.45	0.102	18.9
4	34	17	39	4.61	5.88	0.102	11.8
6	44	22	50	3.08	3.93	0.0967	7.85
10	60	30	66	1.83	2.33	0.0906	4.68
16	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.

# *DOMINION WIRE & CABLES LTD.*

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