

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 - 16mm²
 PVC, V-90
 Red & Black




SHEATH

PVC, 3V-90
 Red Sheath for Fire Alarm

MAX. OPERATING TEMP.

90 °C

Item Number	Insulation Colour	Conductor		Overall Diameter	Approx. Mass kg/km	Minimum Installed Bending Radius mm
		mm ²	(No./mm)	Nominal mm		
DC209 F/A	Red+Black	1	32/0.20	4.3 x 6.7	60	40
DC229 F/A	Red+Black	1.5	7/0.50	4.7 x 7.4	80	50
DC249 F/A	Red+Black	2.5	7/0.67	5.5 x 9.0	100	55
DC259 F/A	Red+Black	4	7/0.85	6.5 x 10.6	140	65
DC269 F/A	Red+Black	6	7/1.04	7.0 x 11.7	200	75
DC279 F/A	Red+Black	10	7/1.35	8.5 x 14.4	400	90
DC289 F/A	Red+Black	16	7/1.70	9.7 x 16.7	600	100

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	Single Phase Voltage Drop @90°C mV/Am
1 (32/0.20)	14	7	17	19.5	27.0	0.119	54.1
1.5 (7/0.50)	18	9	22	13.6	17.3	0.111	34.7
2.5 (7/0.67)	26	13	31	7.41	9.45	0.102	18.9
2.5 (1/1.78)	26	13	31	7.28	9.45	0.102	18.9
4	34	17	40	4.61	5.88	0.102	11.8
6	44	22	51	3.08	3.93	0.0967	7.85
10	60	30	68	1.83	2.33	0.0906	4.68
16	80	40	88	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, 2.4)

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.

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