

Building Wires -Twin + Earth, and 3 Cores + Earth



» [Construction Cables](#) » Flat 3 Cores



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Application:	Easy-tear sheath for general wiring, unenclosed, closed in conduit buried direct or in underground ducts for domestic, commercial and industrial installations where not subject to mechanical damage.
Conductor:	Plain annealed copper (AS/NZS 1125)
Insulation:	PVC V90
Color:	3V-90 Easy-tear White
Voltage:	450/750 V
Length:	100m, 500m
Operating Temperature:	75°C
Colors:	Red, Black & Green/Yellow Red, Blue, White & Green/Yellow



Typical Features

Electra Cables Part No.	Stranding No./mm	Insulation Thick mm	Sheath Thickness mm	Nom. O/D mm	Min. Installed Bending Radius mm		Approx. Mass Kg/Km	Order Now
					Minor	Major		
SRF3010V	2x1/1.13 + E 7/0.50E	0.6	0.9	9.0x4.3	20	40	90	
SRF3015V	2x7/0.50+7/0.50E	0.6	0.9	10x4.7	20	45	110	
SRF3025V	2x7/0.67+7/0.67E	0.7	1	12.4x5.6	25	50	165	
SRF3040V	2x7/0.85+7/0.67E	0.8	1.1	14.2x6.4	30	60	200	
SRF3060V	2x7/1.04+7/0.67E	0.8	1.1	15.3x7.1	30	70	285	
SRF3100V	2x7/1.35+7/0.85E	1	1.2	18.9x8.7	35	85	425	
SRF3160V	2x7/1.70+7/1.04E	1	1.3	21.8x9.9	40	95	610	
SRF4015V	3x7/0.50+7/0.50E	0.6	0.8	12.5x4.5	20	55	145	
SRF4025V	3x7/0.67+7/0.67E	0.7	1	15.9x5.6	25	70	190	

Current Rating and Electrical Characteristics

Conductor	Current Rating (a)	Electrical Characteristics
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Nominal Area ²	Unenclosed Touching	Surrounded by thermal Insulation	Buried in Ducts	Maximum DC Resistance	Maximum AC Resistance	Resistance ©/Km	(b) 3 Phase Voltage Drop Touching @90°C mV/A.m
				@ 20°C ©/Km	@ 20°C ©/Km		
1	12	6	15	18.1	25.8	0.119	44.7
1.5	15	8	19	13.6	16.5	0.111	28.6
2.5	22	11	26	7.41	9.01	0.102	15.6
4	29	15	34	4.61	5.61	0.102	9.71
6	37	19	43	3.08	3.75	0.0967	6.49
10	51	25	57	1.83	2.23	0.0906	3.86
16	68	34	74	1.15	1.4	0.0861	2.43

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.

For single phase voltage drop, multiply by 1.155

The above information is from the following sources: AS/NZ 3008.1.1 and

AS/NZ 3008.1.1 AS/NZS 1125 For current rating using other installation conditions refer to AS/NZS3008.1.1

Do not install in direct contact with polystyrene or polyurethane insulation materials

Electra Cables - Sydney Office
Unit 1, 13 Cooper Street
Smithfield NSW 2164
Phone: (02) 8786 5200
Fax: (02) 8786 5288

Electra Cables - Melbourne Office
460-464 Hammond Road
Dandenong South VIC 3175
Phone: (03) 9706 6819
Fax: (03) 9768 3580

Electra Cables - Brisbane Office
118 Sandstone Place
Parkinson QLD 4115
Phone: (07) 3386 9800
Fax: (07) 3809 0411

Electra Cables -Perth Office
24 Harrison Road
Forrestfield W.A 6058
Phone: (08) 9454 2628
Fax (08) 9454 3026