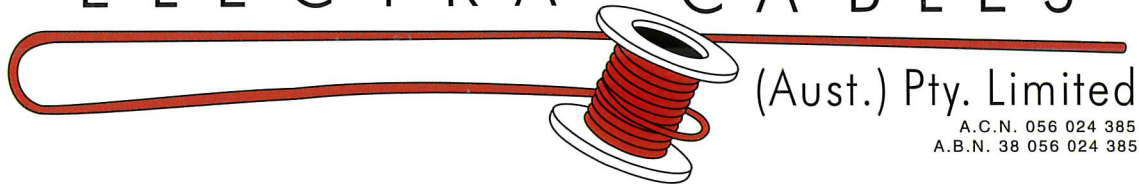


# ELECTRA CABLES



(Aust.) Pty. Limited

A.C.N. 056 024 385  
A.B.N. 38 056 024 385

## Flat TPS Cables

450/750V V-90 insulated, PVC sheathed.

**Application:** Easy-peel 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)

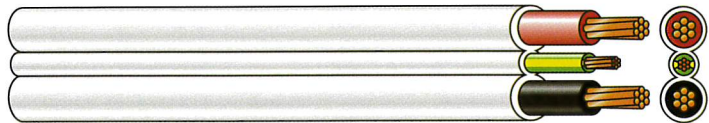
**Insulation:** PVC V90

**Sheath:** 3V-90 Easytear White

**Standard:** AS/NZS 5000.2

**Packing Length:** 100m, 500m

**Normal Operating Temperature:** 90°C



## Twin & Twin Active

**Core colors:** Red & Black or Red & White (Twin Active)

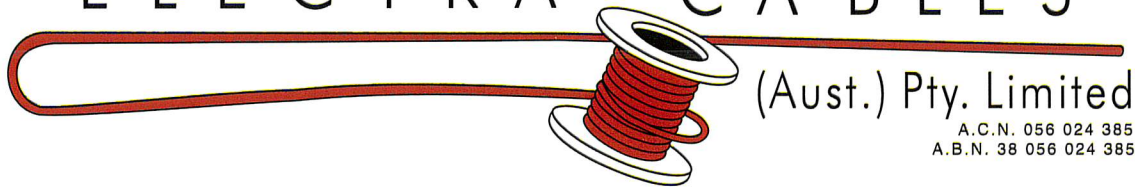
Electra Cables Part No.	Stranding No./mm	Insulation Thickness mm	Sheath Thickness mm	Nom. O/D mm	Min. Installed Bending Radius mm		Approx. Mass kg/km
					Minor	Major	
SRF2010V	2×1/1.13	0.6	0.9	6.5×4.2	20	30	50
SRF2010AV	2×1/1.13 Active	0.6	0.9	6.5×4.2	20	30	50
SRF2015V	2×7/0.50	0.6	0.9	7.2×4.6	20	30	62
SRF2015AV	2×7/0.50 Active	0.6	0.9	7.2×4.6	20	30	62
SRF2025V	2×7/0.67	0.7	1.0	8.9×5.5	25	40	95
SRF2025AV	2×7/0.67 Active	0.7	1.0	8.9×5.5	25	40	95
SRF2040V	2×7/0.85	0.8	1.1	10.6×6.5	30	45	145
SRF2040AV	2×7/0.85 Active	0.8	1.1	10.6×6.5	30	45	145
SRF2060V	2×7/1.04	0.8	1.1	11.7×7.1	30	50	190
SRF2060AV	2×7/1.04 Active	0.8	1.1	11.7×7.1	30	50	190
SRF2100V	2×7/1.35	1.0	1.2	14.6×8.6	35	60	301
SRF2100AV	2×7/1.35 Active	1.0	1.2	14.6×8.6	35	60	301
SRF2160V	2×7/1.70	1.0	1.3	16.9×9.9	40	70	439

Note:A-Twin Active



**Note:** Other types or other lengths of the above cables can be manufactured according to customers specifications.

# ELECTRA CABLES



(Aust.) Pty. Limited

A.C.N. 056 024 385  
A.B.N. 38 056 024 385

## Twin + Earth and 3 Cores + Earth

Core colors: (Red, Black & Green/Yellow) and (Red, Blue, White & Green/Yellow)

Electra Cables Part No.	Stranding No./mm	Insulation Thickness mm	Sheath Thickness mm	Nom. O/D mm	Min. Installed Bending Radius mm		Approx. Mass kg/km
					Minor	Major	
SRF3010V	2×1/1.13 + 7/0.42E	0.6	0.9	9.0×4.2	20	40	69
SRF3015V	2×7/0.50+7/0.50E	0.6	0.9	10.0×4.6	20	45	85
SRF3025V	2×7/0.67+7/0.67E	0.7	1.0	12.4×5.5	25	50	136
SRF3040V	2×7/0.85+7/0.67E	0.8	1.1	14.0×6.5	30	60	187
SRF3060V	2×7/1.04+7/0.67E	0.8	1.1	15.2×7.1	30	70	233
SRF3100V	2×7/1.35+7/0.85E	1.0	1.2	18.9×8.6	35	85	368
SRF3160V	2×7/1.70+7/1.04E	1.0	1.3	21.8×9.9	40	95	527
SRF4015V	3×7/0.50+7/0.50E	0.6	0.9	12.6×4.6	20	55	111
SRF4025V	3×7/0.67+7/0.67E	0.7	1.0	15.8×5.5	25	70	172

## Current Rating and Electrical Characteristics

Conductor	Current Rating (a)			Electrical Characteristics			
	Nom. Area mm <sup>2</sup>	Unenclosed Touching	Surrounded by thermal Insulation	Buried in Ducts	Max. Cond. DC Resistance @20°C Ω/km	Max. Cond AC Resistance @20°C Ω/km	Equivalent Star Resistance Ω/Km
1.0	15	8	19	18.1	25.8	0.119	44.7
1.5	21	11	24	13.6	16.5	0.111	28.6
2.5	29	15	34	7.41	9.01	0.102	15.6
4	37	19	43	4.61	5.61	0.0994	9.71
6	51	25	57	3.08	3.75	0.0967	6.49
10	68	34	72	1.83	2.23	0.0906	3.86
16	91	45	96	1.15	1.40	0.0861	2.43

(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, multiply by 1.155

The above information is from the following sources: AS/NZ 3008.1.1 and AS/NZS 1125

For current rating using other installation conditions refer to AS/NZS3008.1.1

Do not install in direct with polystyrene or polyurethane insulation materials



**Note:** Other types or other lengths of the above cables can be manufactured according to customers specifications.