



Data Cable Overall Screened

Application: Internal and external inter-connections of electronic apparatus such as computers, intercoms, telemetering, signaling and alarm systems.

Conductor: Tinned Annealed Copper wire (AS/NZS 1125)

Insulation: PVC V75 (Multi core), Polypropylene (Multi pair)

Insulation Thickness: 0.3mm

Screen: Aluminum tape screen, polyester mylar tape lapping and 7/0.20mm tinned copper drain wire.

Sheath: PVC V75 Grey

Standard: AS/NZS 3808 (PVC)

Pack Length: 100m, 250m, 500m

CAUTION
Low Voltage – Should NOT be connected to mains power supply

Multi Core

Maximum Working Voltage: 300V. RMS

Conductor Resistance at 20°C: 8.3 Ω/100m

Characteristic Impedance (at 100kHz): 64Ω

Capacitance (Between each core and all other bunched together): 212 pF/m

(Between a core and adjacent core): 118 pF/m

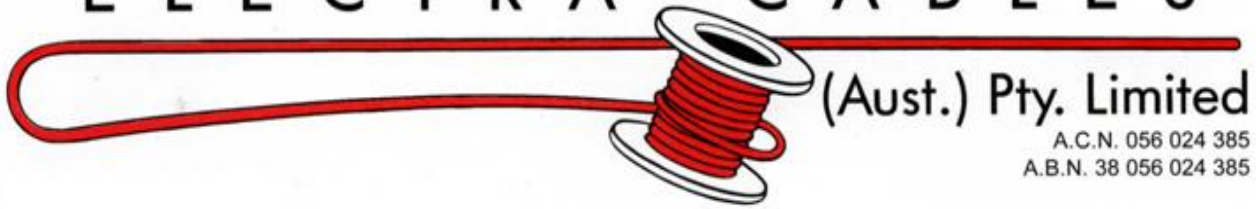
Typical Features:

Electra Cables Part No.	No. of Cores	Stranding No./mm	Nom. area mm ²	Nom. O/D. mm	Sheath Thickness mm	Cable Weight Kg/100m
EAS7204	4	7/0.20	0.22	4.8	0.8	3.3
EAS7206	6	7/0.20	0.22	5.7	0.8	4.2
EAS7208	8	7/0.20	0.22	6.3	1.0	6.4
EAS7210	10	7/0.20	0.22	7.0	1.0	6.6
EAS7212	12	7/0.20	0.22	7.4	1.0	9

Wire	Colour	Wire	Colour	Wire	Colour	Wire	Colour
1	Red	4	Yellow	7	Brown	10	Pink
2	Blue	5	White	8	Violet	11	Azure
3	Green	6	Black	9	Orange	12	Grey

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

Multi Pair (7/0.20)

Austel Approval: A95/CA/0217

Maximum Working Voltage: 300V. RMS

Conductor Resistance at 20°C: 8.6 Ω/100m

Crosstalk between Pairs at 1 kHz: 78

at 100kHz: 53

Characteristic Impedance (at 100 kHz): 89Ω

Capacitance (Between each core and all other bunched together): 90 pF/m

(Between core of a pair): 53 pF/m

Attenuation of a pair: at 1 kHz 0.26 dB/100m at 10 kHz 0.27 dB/100m

at 100 kHz 0.34 dB/100m at 150 kHz 0.39 dB/100m

at 1 MHz 1.26 dB/100m

Typical Features:

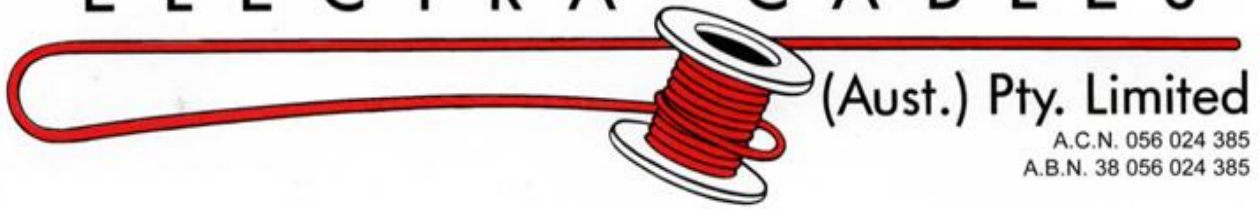
Electra Cables Part No.	No. of Pairs	Stranding No./mm	Nom. area mm ²	Nom. O/D. mm	Sheath Thickness mm	Cable Weight Kg/100m
EAS7201P	1	7/0.20	0.22	4.2	0.8	2.2
EAS7201PHV#	1	7/0.20	0.22	4.6	1.0	2.6
EAS7202P	2	7/0.20	0.22	5.7	0.8	3.3
EAS7203P	3	7/0.20	0.22	5.9	0.8	4.2
EAS7204P	4	7/0.20	0.22	6.4	0.8	5
EAS7206P	6	7/0.20	0.22	7.5	0.9	7
EAS7208P	8	7/0.20	0.22	8.6	1.0	9
EAS7210P	10	7/0.20	0.22	9.7	1.0	11
EAS7212P	12	7/0.20	0.22	10.3	1.0	12.4

This cables have a 0.6/1kV insulation radial

Pair NO.	Pair Colours		Pair NO.	Pair Colours		Pair NO.	Pair Colours		Pair NO.	Pair Colours	
	Wire 1	Wire 2		Wire 1	Wire 2		Wire 1	Wire 2		Wire 1	Wire 2
1	White	Blue	4	White	Brown	7	Red	Orange	10	Red	Grey
2	White	Orange	5	White	Grey	8	Red	Green	11	Black	Blue
3	White	Green	6	Red	Blue	9	Red	Brown	12	Black	Orange

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

Multi Pair (7/0.25)

Maximum Working Voltage: 300V. RMS

Conductor Resistance at 20°C: 5.2 Ω/100m

Crosstalk between Pairs at 1 kHz: 96

at 100 kHz: 75

Characteristic Impedance (at 100 kHz): 78Ω

Capacitance (Between each core and all other bunched together): 120 pF/m

(Between core of a pair): 78 pF/m

Attenuation of a pair: at 1 kHz 0.46 dB/100m **at 10 kHz** 0.66 dB/100m

at 100 kHz 1.23 dB/100m **at 150 kHz** 1.63 dB/100m

at 1 MHz 1.89 dB/100m

Typical Features:

Electra Cables Part No.	No. of Pairs	Stranding No./mm	Nom. area mm ²	Nom. O/D. mm	Sheath Thickness mm	Cable Weight Kg/100m
EAS7251T1PPE*	1	7/0.25	0.34	4.6	0.8	2.2
EAS72503	3 Core	7/0.25	0.34	5.0	0.8	2.9
EAS72502P	2	7/0.25	0.34	5.7	0.8	3.9
EAS72503P !	3	7/0.25	0.34	6.8	0.8	4.8
EAS72504P	4	7/0.25	0.34	7.9	0.9	6.7
EAS72506P !	6	7/0.25	0.34	8.9	1.0	9.2
EAS72512P !	12	7/0.25	0.34	12	1.2	13.8

- * This cable is Tinned copper polyethylene and has black and white cores
- ! Those items are subject to minimum order Quantity. Please contact our sales team for details

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



Instrumentation Cable Overall Screened

Application: Internal and external inter-connections of electronic apparatus such as computers, intercoms, telemetering, signaling and alarm systems.

Conductor: Annealed Copper wire (AS/NZS 1125)

Screen: Aluminum tape screen, polyester mylar tape lapping and 7/0.20mm tinned copper drain wire.

Standard: AS/NZS 3808 (PVC)

Pack Length: 100m, 500m

CAUTION
 Low Voltage – Should NOT be connected to mains power supply

Performance Characteristics:

Conductor Stranding No./mm	Conductor Resistance ($\Omega/100m$ @ 20°C)	Current continuous Max. (Amps)	Voltage working Max. (V.RMS)	Capacitance of Pair (pF/m)	Attenuation of Pair at 1kHz (dB/100m)	Characteristic Impedance at 100kHz (Ω)
7/0.30	3.8	3	300	124	0.16	69
7/0.40	2.2	6	300	173	0.12	46
7/0.50	1.4	12	300	164	0.07	52
14/0.20	4.2	3	300	145	0.30	78
16/0.20	3.9	3	300	124	0.16	69
24/0.20	2.5	6	300	176	0.13	44
32/0.20	1.9	9	300	168	0.10	48

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



Multi Core

Insulation: PVC V75

Core Colours: 4 Cores (Red, Yellow, Green & Black)

6 Cores (Red, White, Black, Green, Blue & Yellow)

7 Cores (Red, White, Black, Green, Blue, Yellow & Brown)

Sheath: PVC 4V-75

Sheath Colour: Grey

Typical Features:

Electra Cables Part No.	No. of Cores	Stranding No./mm	Nom. area mm ²	Nom. O/D. mm	Insulation Thickness mm	Sheath Thickness mm
EAS14204	4	14/0.20	0.44	5.4	0.3	0.8
EAS14206	6	14/0.20	0.44	6.9	0.3	1.0
EAS14207	7	14/0.20	0.44	7.0	0.3	1.0

Insulation: PVC V90HT

Core Colours: 3 Cores (Red, White & Black), 4 Cores (Red, White, Black & Blue)

Sheath: PVC 5V-90

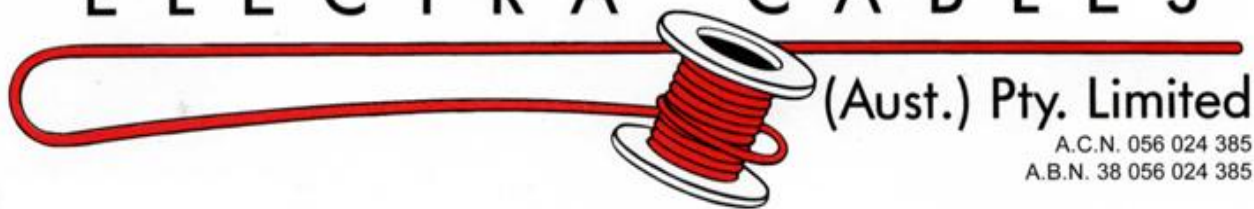
Sheath Colour: Black

Typical Features:

Electra Cables Part No.	No. of Cores	Stranding No./mm	Nom. area mm ²	Nom. O/D. mm	Insulation Thickness mm	Sheath Thickness mm
EAS7303	3	7/0.30	0.50	6.2	0.5	0.8
EAS7403	3	7/0.40	0.88	7.0	0.5	0.9
EAS7503	3	7/0.50	1.5	8.1	0.5	1.2
EAS24203	3	24/0.20	0.75	7.2	0.6	0.8
EAS24204	4	24/0.20	0.75	8.0	0.6	0.9
EAS32203	3	32/0.20	1.0	7.4	0.6	0.8

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

Multi Pair

Insulation: PVC V90HT

Core Colours: White and Black numbered cores

Sheath: PVC 5V-90

Sheath Colour: Black

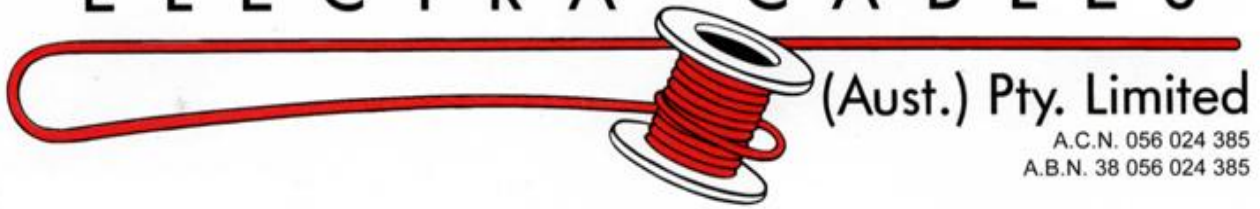
Voltage: These cables are run with a 240V radial thickness sheath and must not be connected to mains power supplies.

Typical Features:

Electra Cables Part No.	No. of Pairs	Stranding No./mm	Nom. area mm ²	Nom. O/D. mm	Insulation Thickness mm	Sheath Thickness mm
EAS7301P	1	7/0.30	0.5	5.8	0.5	0.8
EAS7302P	2	7/0.30	0.5	7.7	0.5	0.8
EAS7303P	3	7/0.30	0.5	8.9	0.5	1.0
EAS7304P	4	7/0.30	0.5	9.8	0.5	1.0
EAS7306P	6	7/0.30	0.5	11.2	0.5	1.2
EAS7308P	8	7/0.30	0.5	13.6	0.5	1.2
EAS7310P	10	7/0.30	0.5	14.4	0.5	1.2
EAS7312P	12	7/0.30	0.5	15.8	0.5	1.2
EAS7316P	16	7/0.30	0.5	17.2	0.5	1.4
EAS7320P	20	7/0.30	0.5	19.0	0.5	1.4
EAS7324P	24	7/0.30	0.5	20.6	0.5	1.6
EAS7336P	36	7/0.30	0.5	25.4	0.8	1.8
EAS7401P	1	7/0.40	0.88	6.3	0.5	0.8
EAS7402P	2	7/0.40	0.88	8.5	0.5	0.9
EAS7403P	3	7/0.40	0.88	9.6	0.5	1.0
EAS7501P	1	7/0.50	1.5	7.0	0.5	0.8
EAS7502P	2	7/0.50	1.5	8.8	0.5	0.9
EAS7503P	3	7/0.50	1.5	10.6	0.5	1.0
EAS7504P	4	7/0.50	1.5	12.0	0.5	1.0
EAS7506P	6	7/0.50	1.5	14.6	0.5	1.2
EAS7508P	8	7/0.50	1.5	16.5	0.5	1.4
EAS7510P	10	7/0.50	1.5	18.4	0.5	1.4
EAS7512P	12	7/0.50	1.5	20.3	0.5	1.8

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

Electra Cables Part No.	No. of Pairs	Stranding No./mm	Nom. area mm ²	Nom. O/D. mm	Insulation Thickness mm	Sheath Thickness mm	Core Colours
EAS14201P	1	14/0.20	0.44	5.6	0.5	0.8	Red & Black
EAS16201P	1	16/0.20	0.5	5.8	0.5	0.8	Red & Black
EAS16202P	2	16/0.20	0.5	8.5	0.5	0.8	White & Black numbered cores
EAS24201P	1	24/0.20	0.75	6.8	0.6	0.8	Red & Black
EAS24202P	2	24/0.20	0.75	8.8	0.6	0.8	White & Black numbered cores
EAS32201P	1	32/0.20	1.0	7.0	0.6	0.8	Red & Black
EAS7301PHV#	1	7/0.30	0.5	7.0	0.8	0.8	Blue & White
EAS7302PHV#	2	7/0.30	0.5	8.7	0.8	0.8	Blue & White numbered cores
EAS7501PHV#	1	7/0.50	1.5	8.8	0.8	0.8	Black & White
EAS7502PHV#	2	7/0.50	1.5	9.9	0.8	0.8	Black & White numbered cores

Note: # These cable have 0.6/1kV insulation radial thickness. And blue sheath.

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



Instrumentation Cable Individually and Overall Screened Multi Pair

Application: Internal and external inter-connections of electronic apparatus such as computers, intercoms, telemetering, signaling and alarm systems.

Conductor: Plain Annealed Copper wire (AS/NZS 1125)

Insulation: PVC V90HT

Core Colour: White and Black numbered cores

Screen: Aluminum tape screen, polyester mylar tape lapping and 7/0.20mm tinned copper drain wire.

Sheath: PVC 5V-90 Black

Standard: AS/NZS 3808 (PVC)

Voltage: These cables are run with a 240V radial thickness sheath and must not be connected to mains power supplies.

Pack Length: 100m, 500m

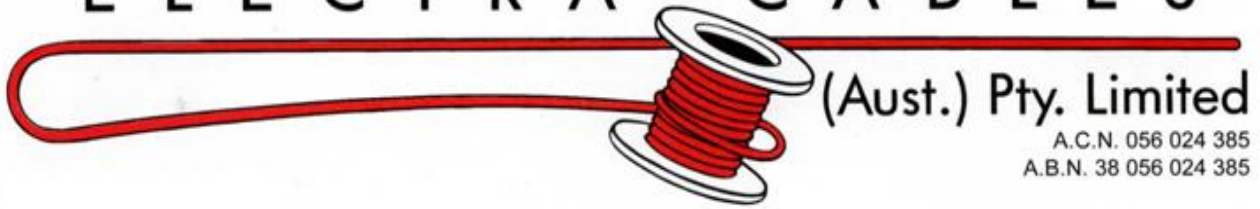
CAUTION
Low Voltage – Should NOT be connected to mains power supply

Typical Features:

Electra Cables Part No.	No. of Pairs	Stranding No./mm	Nom. area mm ²	Nom. O/D. mm	Insulation Thickness mm	Sheath Thickness mm
EIS72502P	2	7/0.25	0.34	4.36	0.2	0.5
EIAS7302P	2	7/0.30	0.5	8.8	0.5	1.0
EIAS7303P	3	7/0.30	0.5	10.3	0.5	1.2
EIAS7304P	4	7/0.30	0.5	10.7	0.5	1.2
EIAS7306P	6	7/0.30	0.5	12.3	0.5	1.4
EIAS7308P	8	7/0.30	0.5	14.1	0.5	1.4
EIAS7310P	10	7/0.30	0.5	15.4	0.5	1.4
EIAS7312P	12	7/0.30	0.5	15.8	0.5	1.4
EIAS7316P	16	7/0.30	0.5	17.7	0.5	1.6
EIAS7320P	20	7/0.30	0.5	20.0	0.5	1.6
EIAS7324P	24	7/0.30	0.5	21.5	0.5	1.8
EIAS7336P	36	7/0.30	0.5	22.4	0.5	2.0

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

ELECTRA CABLES



Electra Cables Part No.	No. of Pairs	Stranding No./mm	Nom. area mm ²	Nom. O/D. mm	Insulation Thickness mm	Sheath Thickness mm
EIAS7502P	2	7/0.50	1.5	9.1	0.5	1.0
EIAS7504P	4	7/0.50	1.5	12.2	0.5	1.2
EIAS7506P	6	7/0.50	1.5	14.8	0.5	1.4
EIAS7508P	8	7/0.50	1.5	16.7	0.5	1.6
EIAS7510P	10	7/0.50	1.5	21.1	0.5	1.6
EIAS7512P*	12	7/0.50	1.5	20.3	0.5	2.0
EIAS7516P*	16	7/0.50	1.5	23.0	0.5	2.0
EIAS7524P*	24	7/0.50	1.5	28.0	0.5	2.2

Note: * These items are supplied to order and subject to minimum production runs.

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



Instrumentation POWER Cable Overall Screened Multi Core

Application: Internal and external inter-connections of electronic apparatus such as computers, intercoms, telemetering, signaling and alarm systems.

Conductor: Plain Annealed Copper wire (AS/NZS 1125)

Insulation: PVC V75

Core Colour: (2C+E) Red, Black + Green/Yellow

(3C+E) Red, White, Blue + Green/Yellow

(4C+E) Red, White, Blue, Black + Green/Yellow

Screen: Aluminum tape screen, polyester mylar tape lapping and 7/0.20mm tinned copper drain wire.

Sheath: PVC V75 Blue

Voltage: 0.6/1 kV

Standard: AS/NZS 3808 (PVC)

CAUTION
Low Voltage – Should NOT be
connected to mains power supply

Typical Features:

Electra Cables Part No.	No. of Cores	Stranding No./mm	Nom. area mm ²	Nom. O/D. mm	Insulation Thickness mm	Sheath Thickness mm
EAS70503C+E	3C+E	7/0.50	1.5	10.95	0.8	1.8
EAS76702C+E	2C+E	7/0.67	2.5	11.6	0.8	1.8
EAS76703C+E	3C+E	7/0.67	2.5	12.5	0.8	1.8
EAS76704C+E	4C+E	7/0.67	2.5	13.6	0.8	1.8
EAS78502C+E	2C+E	7/0.85	4.0	12.4	1.0	1.8
EAS78503C+E	3C+E	7/0.85	4.0	13.8	1.0	1.8
EAS78504C+E	4C+E	7/0.85	4.0	14.8	1.0	1.8
EAS71042C+E	2C+E	7/1.04	6.0	14.5	1.0	1.8
EAS71043C+E	3C+E	7/1.04	6.0	15.3	1.0	1.8
EAS71044C+E	4C+E	7/1.04	6.0	17.5	1.0	1.8
EAS71353C+E	3C+E	7/1.35	10.0	17.6	1.0	1.8
EAS71703C+E	3C+E	7/1.70	16.0	20.25	1.0	1.8

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