

EURO-TECH CABLES PTY. LTD.

COMMUNICATION CABLES Technical Manual



An Introduction to:

EURO-TECH CABLES PTY. LTD.

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Catalogue: <http://www.euro-techcables.com.au/catalog.pdf>

Euro-Tech Cables Pty Ltd was established in 1989 as an Australian Manufacturer of High Technology Cables for the Electronics, Computer and Communications Industries. Manufacturing is undertaken within well appointed factory premises located at Villawood in Sydney's South Western Region. The Company is owned and managed by two professionally qualified engineers – each with extensive experience in the cable industry.

Euro-Tech Cables Pty Ltd maintains a policy of continual development and advancement. Since production commenced in December 1989, our product range has been expanded on several occasions.

Much of this has resulted from the commissioning of many “purpose-built” machines – designed and constructed using our own resources. The company services many large well-respected industry names and our cables are often used in major projects, including export applications.

Our Services and Supply include:

- Communication Cables
- Geotechnical Cables
- Galvanised Steel Wire Armouring
- Halogen Free Cables
- Nylon Jacketed Cables
- Polyethylene Sheath
- Polyurethane Sheath (THICK or thin)
- Blue Intrinsically Safe Cables
- PVC including Rubberized versions
- Oversheathing (colour changes)
- Copper tapes
- Double Brass Tapes
- Composite Cables
- Braided Cables
- And more

Euro-Tech Cables Pty. Ltd. has excelled in the design and manufacture of many unique and highly specialised cables.

We can manufacture to your design or requirements.

Our mission is to manufacture quality products in short lead times for Australia and overseas.

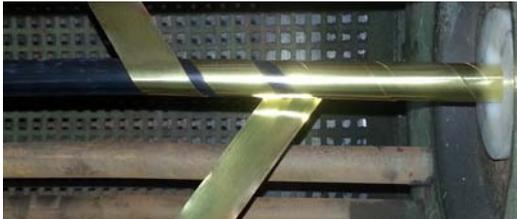
Euro-Tech Cables Pty. Ltd. is proud of its "High Technology" image.

EURO-TECH CABLES PTY. LTD.

Brass Tape and Nylon Jacket Protection Offering Resistance from TERMITE Attack.

Double BRASS TAPE PROTECTION or COPPER SCREENING

This provides an added level of protection to your pre-supplied, our stock range or our custom made cables.



Our Nylon Jacketing Protection Extrusion Line is capable of applying Black Nylon Jacketing, with or without a PVC Sacrificial Sheath over your or our supplied cables. Nylon manufacturing time is typically **1 week**.

As Nylon has good weather wear resistance and tear strength, it is commonly used in the manufacture of cables for the resistance to TERMITE attack.

Composite and Exclusively Designed Cables.

Euro-Tech Cables Pty. Ltd. has excelled in the design and manufacture of many unique and highly specialised cables, specifically designed to suit customer requirements. We are able to combine several of your or our supplied cables to make an easy to run Composite cable.

Examples of various Composite cables designed to meet your needs:

- 2 xCat5/6/6A+SWA or 7xCat5/6/6A under one sheath.
- Figure 8 + multi cores/pairs/Coax.
- Many combinations of different cables with Optical Fibre.
- Kevlar , Braided, Vectran, all with various sheathing options.
- Nylon tubes combined with paired or multi core cables.
- Various specialised Instrumentation and Control cables for the Mining Industry.



Please contact Euro-Tech Cables for pricing on our wide range of services.
Please see page 18 for more information

EURO-TECH CABLES PTY. LTD.

Contents of Catalogue

	Page No:
Connecting Wires, Flexible Switchboard Wires	1
Figure 8, Detonator and Twisted Jumper Wires	2
Data & Computer Cables Multi-Pair Screened	3
Data & Computer Cables Multi-Pair Individual and Overall Screened	4
Data & Computer Cables Multi-Core Screened	5
Multicore Flexible Signal Cables	6
Instrumentation Cables Screened Multi-Pairs 24/0.20	7
Instrumentation Cables Screened Multi-Pairs and Multi-Triples 7/0.30	8
Instrumentation Cables Individual and Overall Screened 7/0.30	9
Instrumentation Cables Screened Multi-Pairs and Triad 7/0.50	10
Instrumentation Cables Individual and Overall Screened 7/0.50	11
Telephone Cables Underground and External	12
Telephone Cables Internal	13
Telephone Cables 0.50 Screened	14
Telephone Cables 0.40 Screened	15
Ultralan Shielded Twisted Pairs (Basic Rate)	16
ISDN Cables (Primary Rate)	17
Special Cable Sheathing (Nylon, Polyurethane, etc.)	Introduction & 18
Steel Wire Armoured Cables	19
Special Cables (Composite)	20
Mining Cables	21
Colour Charts	22
Conductor Information	23
Terms and Conditions	24

EURO-TECH CABLES PTY. LTD.

Connecting Wires

- Conductor:** • Tinned Copper (TC) Wire
• Plain Bare Copper (BC) Wire
- Insulation:** • PVC V90HT or V75 to AS3808 – Extra low voltage AS3000
- Colours:** • White, Blue, Orange, Green, Brown, Grey, Red, Black
Yellow, Violet, Pink & Turquoise
- Pack Length:** • At Customers required lengths



Part No.	Conductor No./mm	AWG Size	Insulation Thickness (mm)	Approx. Dia. (mm)
*ET 1002	1/0.50 BC	24	0.20	0.90
ET 1003	7/0.20 TC	24	0.25	1.10
ET 1005	1/0.64 BC	22	0.20	1.05
ET 1006	7/0.25 TC	22	0.30	1.35

General Conformance: To Telecom Specification and Defence Standard

*Austel Approval: A95 / CA / 0014

Flexible Switchboard Wires

- Conductor:** • Tinned Copper (TC) Wire
- Insulation:** • PVC V90HT to AS3808 – 0.6/1Kv Rating
- Colours:** • White, Blue, Orange, Green, Brown, Grey, Red, Black
Yellow, Violet, Pink & Turquoise & Striped
- Pack Length:** • At Customers required lengths

Part No.	Wire No./Dia.mm	Nominal Area sq.mm	Insulation Thickness (mm)	Approx. Dia. (mm)
ET 1650	16/0.20	0.50	0.8	2.6
ET 1675	24/0.20	0.75	0.8	2.8
ET 1720	32/0.20	1.0	0.8	3.1
ET 1725	30/0.25	1.5	0.8	3.4
ET 1825	50/0.25	2.5	0.9	4.1
ET 1840	56/0.30	4.0	1.0	4.8
ET 1960	84/0.30	6.0	1.1	5.3



Flexible Switchboard Wires

Figure 8, Detonator and Twisted Wires

- Conductor:** • Plain Copper Wire & Tinned Copper Wire
- Insulation:** • PVC V75 Flame Retardant
- Colours:** • 2 Core: White, Red
• 3 Core: White, Red, Blue
• 4 Core: White, Red, Blue, Black
or other Colour Combinations
- Pack Length:** • At Customers required lengths

Part No.	Conductor No./mm	AWG Size	No. Cores	Insulation Thickness (mm)	Approx. Dia. (mm)
*ET 2002	1/0.50	24	2	0.2	1.8
ET 2003	1/0.50	24	3	0.2	1.9
ET 2004	1/0.50	24	4	0.2	2.2
ET 2102	1/0.71	21	2	0.3	2.2
ET 2402	24/0.20	18	Fig. 8	0.5	2.3 x 4.7

- Use:**
- i) for wiring of detonators and shottfiring equipments.
 - ii) for wiring of electronic equipments.
 - iii) jumper wires to Telecom specification.
- * Austel Approval: A95/CA/0018

Part No.	Conductor No./mm	AWG Size	No. Cores	Insulation	Core Colours	Nominal Impedance
ET 2801-109	1/0.50	24	2	Polyethylene	Violet/Brown	120 Ohms



Twisted Jumper Wire



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Data Cables Multi-Pair Screened RS 422, RS 232

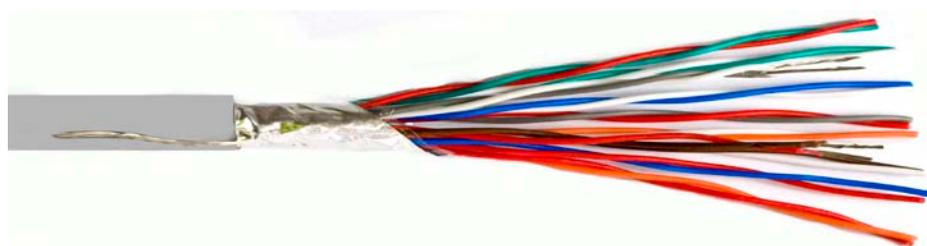
Description: • 7/0.20 (24 AWG) Tinned Copper, Polypropylene Insulated, Twisted Pairs, Aluminium / Mylar Tape Screened with a 7/0.20 mm Tinned Copper Drain Wire, PVC V90 Sheathed

Colour: • Sheath Grey
• Insulation Chart A (page 22)

Pack Length: • At Customers required lengths

Operating Voltage: • 300V RMS (non-mains)

Part No.	No. of Pairs	Insulation Thickness (mm)	Nominal Capacitance (PF/M)	Nominal Diameter (mm)	Approx. Weight (/100M)
ET3001	1	0.3	68	4.0	1.8 Kg
ET3002	2	0.3	50	5.3	3.5 Kg
ET3003	3	0.3	50	6.2	4.1 Kg
ET3004	4	0.3	50	6.8	5.3 Kg
ET3005	5	0.3	50	7.6	6.5 Kg
ET3006	6	0.3	50	8.4	7.7 Kg
ET3008	8	0.3	50	9.4	9.4 Kg
ET3010	10	0.3	50	10.2	9.9 Kg
ET3012	12	0.3	50	11.0	12.4 Kg
ET3018	18	0.3	50	13.3	17.5 Kg
ET3025	25	0.3	50	15.4	23.3 Kg



High Speed Data Cable

Data Cables Multi-Pair Individual & Overall Screened RS 422

- Description:**
- 7/0.20 (24 AWG) Tinned Copper, Polypropylene Insulated, Each pair Aluminium / Mylar Tape Screened with a 7/0.20mm Tinned Copper (TCW) Drain Wire, Screen Isolated, Overall Aluminium / Mylar Tape Screened with a 7/0.20 mm TCW Drain Wire, PVC V90 Sheathed
- Colour:**
- Sheath Grey
 - Insulation Chart A (page 22)
- Pack Length:**
- At Customers required lengths
- Operating Voltage:**
- 300V RMS (non-mains)

Part No.	No. of Pairs	Insulation Thickness (mm)	Nominal Capacitance (PF/M)	Nominal Diameter (mm)	Approx. Weight (/100M)
ET3102	2	0.3	68	6.2	4.3 Kg
ET3103	3	0.3	68	7.0	5.6 Kg
ET3104	4	0.3	68	7.9	6.4 Kg
ET3105	5	0.3	68	8.8	9.3 Kg
ET3106	6	0.3	68	9.5	10.3 Kg
ET3108	8	0.3	68	10.3	14.0 Kg
ET3112	12	0.3	68	12.7	18.2 Kg
ET3118	18	0.3	68	15.1	23.0 Kg
ET3125	25	0.3	68	17.3	31.5 Kg



Individual & Overall Screened Data Cable

Data Cables Multi-Core Screened RS 232, RS423

- Description:** • 7/0.20 (24 AWG) Tinned Copper, PVC Insulated, Aluminium / Mylar Tape Screened with a 7/0.20mm Tinned Copper Drain Wire, PVC V90 Sheathed
- Colour:** • Sheath Grey
• Insulation Chart B (page 22)
- Pack Length:** • At Customers required lengths
- Operating Voltage:** • 300V RMS (non-mains)

Part No.	No. of Cores	Insulation Thickness (mm)	Nominal Capacitance (PF/M)	Nominal Diameter (mm)	Approx. Weight (/100M)
ET3204	4	0.25	88	4.0	2.7 Kg
ET3206	6	0.25	88	5.3	3.5 Kg
ET3208	8	0.25	88	5.6	4.7 Kg
ET3212	12	0.25	88	6.7	5.6 Kg
ET3218	18	0.25	88	8.0	7.4 Kg
ET3225	25	0.25	88	9.2	9.8 Kg
ET3236	36	0.25	88	10.0	13.5 Kg
ET3250	50	0.25	88	11.6	18.4 Kg



Multi-Core Data Cable

Multicore Flexible Signal Cables Conductor: 16/0.20

- Description:** • 16/0.20 (20 AWG) Tinned Copper, PVC Insulated, Aluminium / Mylar Tape Screened with a 7/0.25mm Tinned Copper (TCW) Drain Wire, PVC V90 Sheathed
- Colour:** • Sheath Black
• Insulation Chart B (page 22)
- Pack Length:** • At Customers required lengths
- Operating Voltage:** • 300V RMS (non-mains)

Part No.	No. of Cores	Insulation Thickness (mm)	Nominal Capacitance (PF/M)	Nominal Diameter (mm)	Approx. Weight (/100M)
ET3302	2	0.3	100	4.8	3.2 Kg
ET3303	3	0.3	100	5.1	3.8 Kg
ET3304	4	0.3	100	5.5	4.2 Kg
ET3306	6	0.3	100	6.3	6.7 Kg
ET3310	10	0.3	100	8.1	9.8 Kg
ET3312	12	0.3	100	8.5	11.3 Kg
ET3318	18	0.3	100	9.9	16.1 Kg
ET3325	25	0.3	100	11.7	22.5 Kg
ET3336	36	0.3	100	13.2	30.6 Kg
ET3350	50	0.3	100	16.3	44.0 Kg



Multi-Core Signal Cable

Instrumentation Cables Conductor: 24/0.20

- Description:** • 24/0.20 (20 AWG) Plain Copper, PVC V90HT Insulated, White & Black with White Cores Numbered, Twisted Pairs, Aluminium / Mylar Tape Screened with a 7/0.25 mm Tinned Copper (TCW) Drain Wire, PVC Sheathed.
- Colour:** • Sheath Black Flame Retardant PVC
• Insulation: White & Black with numbering on white core
- Pack Length:** • At Customers required lengths
- Operating Voltage:** • 300V RMS (non-mains)
- Technical Data:** • Available on Request

Multi-Pair Items

Part No.	No. of Pairs	Insulation Thickness (mm)	Nominal Diameter (mm)	Approx. Weight (/100M)
ET 5801-108	1	0.4	5.8	3.7 Kg
ET 5802-123	2	0.4	7.7	7.6 Kg
ET 5803-102	3	0.4	9.0	8.5 Kg
ET 5804-102	4	0.4	10.0	12.4 Kg
ET 5806	6	0.4	12.3	18.7 Kg
ET 5808	8	0.4	13.6	23.0 Kg
ET 5810	10	0.4	14.9	27.2 Kg
ET 5812	12	0.4	16.2	32.1 Kg
ET 5816	16	0.4	18.6	42.1 Kg
ET 5820	20	0.4	20.3	50.9 Kg
ET 5824	24	0.4	22.0	62.0 Kg
ET 5836	36	0.4	25.6	84.6 Kg



Multi-Pair Instrumentation Cable

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Instrumentation Cables - Conductor: 7/0.30

Description:

- 7/0.30 (20 AWG) Plain Copper, PVC V90HT Insulated, White Cores Numbered, Twisted Pairs or Triples, Aluminium/Mylar Tape Screened Overall with a 7/0.25 mm Tinned Copper Drain Wire, PVC Sheathed.

Colour:

- Sheath: Black Flame Retardant PVC
- Insulation: Pairs - Black & White with numbering on white core
Triples - Black, Red & White with numbering on white core

Pack Length:

- At Customers required lengths

Operating Voltage:

- 300V RMS (non-mains)

Technical Data:

- Available on Request



Multi-Pair Items

Part No.	No. of Pairs	Insulation Thickness (mm)	Nominal Diameter (mm)	Approx. Weight (/100M)
ET 5001	1	0.4	5.0	3.4 Kg
ET 5002	2	0.4	6.9	6.4 Kg
ET 5003	3	0.4	8.2	8.5 Kg
ET 5004	4	0.4	9.5	10.1 Kg
ET 5006	6	0.4	11.1	13.1 Kg
ET 5008	8	0.4	12.6	17.0 Kg
ET 5010	10	0.4	13.6	20.1 Kg
ET 5012	12	0.4	15.1	24.0 Kg
ET 5016	16	0.4	17.1	31.0 Kg
ET 5020	20	0.4	18.6	37.0 Kg
ET 5024	24	0.4	19.9	49.0 Kg
ET 5036	36	0.4	24.3	66.0 Kg
ET 5050	50	0.4	29.0	82.0 Kg

Multi-Triple Items

Part No.	No. of Triples	Insulation Thickness (mm)	Nominal Diameter (mm)	Approx. Weight (/100M)
ET 5201	1	0.4	5.5	3.8 Kg
ET 5204	4	0.4	11.0	13.1 Kg
ET 5206	6	0.4	12.8	18.6 Kg
ET 5212	12	0.4	17.3	34.2 Kg
ET 5216	16	0.4	19.4	46.5 Kg
ET 5224	24	0.4	20.9	67.3 Kg
ET 5236	36	0.4	28.0	105.0 Kg

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Instrumentation Cables Individual and Overall Screened Conductor: 7/0.30

Description: • 7/0.30 mm (20 AWG) Plain Copper, PVC V90HT Insulated, White Cores Numbered, Each Pair or Triple Aluminium/Mylar Tape Screened with a 7/0.25 mm (22 AWG) Tinned Copper (TCW) Drain Wire, Screen Isolated, Laid up, Overall Aluminium/Polyester Tape Screened with a 7/0.25 mm TCW Drain Wire, PVC Sheathed.

Colour: • Sheath: Black Flame Retardant PVC
• Insulation: Pairs - Black & White with numbering on white core
Triples - Black, Red & White with numbering on white core

Pack Length: • At Customers required lengths

Operating Voltage: • 300V RMS (non-mains)

Technical Data: • Available on Request



Multi-Pair Items

Part No.	No. of Pairs	Insulation Thickness (mm)	Nominal Diameter (mm)	Approx. Weight (/100M)
ET 5102	2	0.4	7.7	8.0 Kg
ET 5104	4	0.4	10.3	14.0 Kg
ET 5106	6	0.4	12.3	17.0 Kg
ET 5108	8	0.4	14.1	22.2 Kg
ET 5110	10	0.4	15.8	26.1 Kg
ET 5112	12	0.4	17.3	30.9 Kg
ET 5116	16	0.4	18.2	43.2 Kg
ET 5120	20	0.4	21.8	54.4 Kg
ET 5124	24	0.4	22.5	63.8 Kg
ET 5136	36	0.4	27.0	90.0 Kg

Multi-Triple Items

Part No.	No. of Triples	Insulation Thickness (mm)	Nominal Diameter (mm)	Approx. Weight (/100M)
ET 5404	4	0.4	12.3	16.0 Kg
ET 5406	6	0.4	14.6	22.5 Kg
ET 5410	10	0.4	17.9	38.0 Kg
ET 5412	12	0.4	19.0	44.0 Kg
ET 5416	16	0.4	20.0	63.0 Kg
ET 5424	24	0.4	25.5	97.0 Kg



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Instrumentation Cables 7/0.50

Description:

- 7/0.50 mm (16 AWG) Plain Copper, PVC V90HT Insulated, White Cores Numbered, Twisted Pairs or Triples Aluminium / Mylar Tape Screened Overall with a 7/0.25 mm (22 AWG) Tinned Copper Drain Wire, PVC Sheathed.

Colour:

- Sheath: Black Flame Retardant PVC
- Insulation: Pairs – Black & White with numbering on white core
Triples – Black, Red & White with numbering on white core

Pack Length: • At Customers required lengthst

Operating Voltage: • 600V RMS (non-mains)

Technical Data: • Available on Request



Multi-Pair Items

Part No.	No. of Pairs	Insulation Thickness (mm)	Nominal Diameter (mm)	Approx. Weight (/100M)
ET 5601	1	0.5	6.2	6.6 Kg
ET 5602	2	0.5	9.4	12.4 Kg
ET 5604	4	0.5	12.7	20.8 Kg
ET 5606	6	0.5	15.3	30.5 Kg
ET 5608	8	0.5	17.5	37.2 Kg
ET 5610	10	0.5	19.2	45.7 Kg
ET 5612	12	0.5	20.6	55.0 Kg
ET 5616	16	0.5	23.5	69.0 Kg
ET 5620	20	0.5	25.8	85.0 Kg
ET 5624	24	0.5	28.7	98.0 Kg

Multi-Triple Items

Part No.	No. of Triples	Insulation Thickness (mm)	Nominal Diameter (mm)	Approx. Weight (/100M)
ET 5501	1	0.5	7.4	8.1 Kg
ET 5502	2	0.5	12.0	17.2 Kg
ET 5504	4	0.5	15.4	28.8 Kg
ET 5506	6	0.5	16.7	39.9 Kg
ET 5508	8	0.5	18.4	51.8 Kg
ET 5510	10	0.5	21.0	70.5 Kg
ET 5512	12	0.5	24.6	79.0 Kg



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Instrumentation Cables Individual and Overall Screened Conductor: 7/0.50

- Description:**
- 7/0.50 mm (16 AWG) Plain Copper, PVC V90HT Insulated, White Cores Numbered, Each Pair or Triple Aluminium/Mylar Tape Screened with a 7/0.25 mm (22 AWG) Tinned Copper (TCW) Drain Wire, Screen Isolated, Laid up, Overall Aluminium/Polyester Tape Screened with a 7/0.25 mm TCW Drain Wire, PVC Sheathed.
- Colour:**
- Sheath: Black Flame Retardant PVC
 - Insulation: Pairs - Black & White with numbering on white core
Triples - Black, Red & White with numbering on white core
- Pack Length:**
- At Customers required lengths
- Operating Voltage:**
- 300V RMS (non-mains)
- Technical Data:**
- Available on Request



Multi-Pair Items

Part No.	No. of Pairs	Insulation Thickness (mm)	Nominal Diameter (mm)	Approx. Weight (/100M)
ET 5702	2	0.5	10.3	13.5 Kg
ET 5704	4	0.5	14.0	24.3 Kg
ET 5706	6	0.5	16.5	35.0 Kg
ET 5708	8	0.5	18.9	45.0 Kg
ET 5710	10	0.5	20.7	57.0 Kg
ET 5712	12	0.5	23.1	68.0 Kg
ET 5716	16	0.5	26.0	80.0 Kg
ET 5720	20	0.5	27.2	69.45 Kg

Multi-Triple Items

Part No.	No. of Triples	Insulation Thickness (mm)	Nominal Diameter (mm)	Approx. Weight (/100M)
ET 5906-100	2	0.5	12.5	17.9 Kg
ET 5909-102	3	0.5	13.0	24.6 Kg
ET 5912-101	4	0.5	14.8	31.2 Kg
ET 5915-101	5	0.5	16.8	38.4 Kg
ET 5918-100	6	0.5	17.5	46.7 Kg
ET 5924-100	8	0.5	19.9	59.6 Kg
ET 5930-102	10	0.5	23.6	72.0 Kg
ET 5936-101	12	0.5	26.6	86.7 Kg
ET 5948-100	16	0.5	27.7	111.0 Kg



EURO-TECH CABLES PTY. LTD.

Telephone Cable - External & Underground

Austel Approval No. A92 / CA / 0198

- Description:** • Solid Plain Copper Conductors, Polyethylene Insulated, Pair Twisted, Laid Up, Polyethylene 03SBC to AS1049 Sheathed.
- Colour:** • Sheath: Black, U.V. Stabilised
• Insulation: Chart A (page 22)
• Unit Whipping Tape: Blue, Orange, Green. (0.64 Conductor)
- Pack Length:** • At Customers required lengths

Conductor Size: 0.64mm

Part No.	No. of Pairs	Unit Whipping Colour	Insulation Thickness (mm)	Nominal Diameter (mm)	Approx. Weight (/100M)
ET 7002	2 (1 Quad)	–	0.25	5.0	2.6 Kg
ET 7003	3	–	0.30	6.2	4.0 Kg
ET 7006	6	–	0.30	8.2	7.6 Kg
ET 7010	10	–	0.30	10.0	10.0 Kg
ET 7020	20	Blue, Orange	0.30	13.9	19.0 Kg
ET 7030	30	Blue, Orange, Green	0.30	17.2	27.5 Kg

Conductor Size: 0.90mm

Part No.	No. of Pairs	Pair Colours	Insulation Thickness (mm)	Nominal Diameter (mm)	Approx. Weight (/100M)
ET 7402	2 (1 Quad)	Wh, Bl, Rd, Bk	0.40	5.8	4.2 Kg
ET 7406	6	Chart A	0.40	10.7	12.2 Kg
ET 7410	10	Chart A	0.40	13.5	19.8 Kg
ET 7420	20	Chart A	0.40	18.2	35.6 Kg
ET 7430	30	Chart A	0.40	21.9	49.4 Kg

Note: Cable can be supplied with screen and also 0.40mm conductor.



External Telephone Cable

Telephone Cable 0.50mm Internal

Austel Approval No. A90 / CA / 0023

Description:

- Solid 0.50mm Plain Copper Conductor, PVC Insulated, Plain Coloured and Band Marked, Pair Twisted, Laid Up, PVC Sheathed.

Colour:

- Sheath: Manilla•

Insulation: Chart D (page 22)

Pack Length:

- At Customers required lengths

Part No.	No. of Pairs	Insulation Thickness (mm)	Nominal Diameter (mm)	Approx. Weight (/100M)
ET 8001	1	0.2	3.2	1.3 Kg
ET 8002	2 (1 Quad)	0.2	3.6	2.0 Kg
ET 8003	3	0.2	4.8	3.2 Kg
ET 8005	5	0.2	6.3	4.8 Kg
ET 8006	6	0.2	6.5	5.5 Kg
ET 8010	10	0.2	7.2	7.5 Kg
ET 8012	12	0.2	7.5	8.9 Kg
ET 8015	15	0.2	8.7	10.6 Kg
ET 8020	20	0.2	9.8	13.0 Kg
ET 8025	25	0.2	10.6	15.9 Kg
ET 8035	35	0.2	12.3	21.2 Kg
ET 8050	50	0.2	14.0	28.6 Kg



Internal Telephone Cable

Screened Telephone Cable 0.50mm Internal

Austel Approval No. A94/CA/0199

- Description:**
- Solid 0.50mm Plain Copper Conductor, PVC Insulated, Plain Coloured and Band Marked, Pair Twisted, Aluminium / Mylar Tape Screened with a 1/0.50mm Tinned Copper Drain Wire, PVC Sheathed.
- Colour:**
- Sheath: Manilla
 - Insulation: Chart D (page 22)
- Pack Length:**
- At Customers required lengths

Part No.	No. of Pairs	Insulation Thickness (mm)	Nominal Diameter (mm)	Approx. Weight (/100M)
ET 8101	1	0.2	3.3	1.3 Kg
ET 8102	2 (1 Quad)	0.2	3.7	2.1 Kg
ET 8103	3	0.2	5.1	3.3 Kg
ET 8105	5	0.2	6.5	4.9 Kg
ET 8106	6	0.2	6.8	5.7 Kg
ET 8110	10	0.2	7.5	7.8 Kg
ET 8115	15	0.2	8.9	10.9 Kg
ET 8120	20	0.2	10.0	13.1 Kg
ET 8125	25	0.2	10.9	16.2 Kg
ET 8135	35	0.2	12.5	21.3 Kg
ET 8150	50	0.2	14.1	28.9 Kg



Screened Telephone Cable

Screened Telephone Cable 0.40mm Internal

- Description:**
- Solid 0.40mm Plain Copper Conductor, PVC Insulated, Plain Coloured and Band Marked, Pair Twisted, Aluminium / Mylar Tape Screened with a 1/0.40mm Tinned Copper Drain Wire, PVC Sheathed.
- Colour:**
- Sheath: Manilla
 - Insulation: Chart D (page 22)
- Pack Length:**
- At Customers required lengths

Part No.	No. of Pairs	Insulation Thickness (mm)	Nominal Diameter (mm)	Approx. Weight (/100M)
ET 8801-103	1	0.2	3.3	1.4 Kg
ET 8802-102	2 (1 Quad)	0.2	3.5	1.8 Kg
ET 8803-102	3	0.2	4.3	2.5 Kg
ET 8804-103	4	0.2	4.6	3.0 Kg
ET 8805-100	5	0.2	5.1	3.5 Kg
ET 8806-101	6	0.2	5.4	4.0 Kg
ET 8810-101	10	0.2	6.8	6.3 Kg
ET 8816-108	16	0.2	7.8	9.4 Kg
ET 8820-100	20	0.2	8.5	11.0 Kg
ET 8825-100	25	0.2	9.9	13.5 Kg
ET 8832-101	32	0.2	11.0	16.0 Kg
ET 8850-100	50	0.2	12.5	21.0 Kg



Screened Telephone Cable



ULTRALAN Shielded Twisted Pair Cable Basic Rate

Austel Approval No. A92 / CA / 0344

Description: • Solid 0.50mm (24 AWG) Plain Copper Conductor, Foam Polyethylene Insulated, Pair Twisted, Aluminium / Mylar Tape Screened Overall with a 1/0.50mm Tinned Copper Drain Wire, PVC Sheathed.

Colour: • Sheath: Grey
• Insulation: Chart A (page 22)

Pack Length: • At Customers required lengths

Part No.	Austel Ref No.	No. of Pairs	Nominal Impedance ohms	Nominal Diameter (mm)	Approx. Weight (/100M)
ET 7704-102	Shielded UltraLan 4	4	120	5.9	4.6 Kg
ET 7706-101	Shielded UltraLan 6	6	120	6.9	5.8 Kg
ET 7708-102	Shielded UltraLan 8	8	120	7.4	6.4 Kg
ET 7710-102	Shielded UltraLan 10	10	120	7.7	7.4 Kg
ET 7712-101	Shielded UltraLan 12	12	120	8.8	9.8 Kg
ET 7716-101	Shielded UltraLan 16	16	120	9.6	10.8 Kg
ET 7720-102	Shielded UltraLan 20	20	120	10.7	13.0 Kg
ET 7725-101	Shielded UltraLan 25	25	120	11.5	15.5 Kg
ET 7732-101	Shielded UltraLan 32	32	120	13.4	20.4 Kg

Cable Attenuation: 2dB / 100m at 1.024 MHz



UltraLan Basic Rate

EURO-TECH CABLES PTY. LTD.

ISDN Cables

Integrated Services Digital Network (ISDN) applications Primary Rate to Austel TS008 Austel Approval No. A94/CA/0040

- Description:**
- Solid 0.50mm (24 AWG) Plain Copper Conductor, Foam Polyethylene Insulated, Each Pair Aluminium / Mylar Tape Screened with a 1/0.50mm Tinned Copper (TCW) Drain Wire, Screen Isolated, Laid Up, PVC V90 Sheathed.
- Colour:**
- Sheath: Grey
 - Insulation: Chart A (page 22)
- Pack Length:**
- At Customers required lengths

Part No.	Austel Ref No.	No. of Pairs	Nominal Capacitance (PF/m)	Nominal Impedance ohms	Cross-talk at 1.024 MHz 250m	Nominal Diameter (mm)	Approx. Weight (/100M)
ET 8601	ISDN1	1	43	120	-	5.3	2.8 Kg
ET 8602	ISDN2	2	43	120	84 dB	7.8	5.5 Kg
ET 8604	ISDN4	4	43	120	84 dB	10.0	8.5 Kg
ET 8606	ISDN6	6	43	120	84 dB	11.9	12.0 Kg
ET 8608	ISDN8	8	43	120	84 dB	13.5	14.4 Kg
ET 8610	ISDN10	10	43	120	84 dB	14.9	17.1 Kg
ET 8612	ISDN12	12	43	120	84 dB	15.9	19.6 Kg
ET 8616	ISDN16	16	43	120	84 dB	18.0	25.0 Kg
ET 8632	ISDN32	32	43	120	84 dB	22.0	46.6 Kg

Cable Attenuation: 2dB / 100m at 1.024 MHz

Cable can be manufactured with 0.40 conductor



ISDN cable Primary Rate

Special Cable Sheathing

Nylon Jacket

Description: Euro-Tech Cables can apply a Nylon Jacket over any of the following cables:

- (i) All products from the Euro-Tech Cables range of Standard Products with Diameter between 5 to 36mm
- (ii) Cables specially designed by Euro-Tech Cables to suit your application and specifications.
- (iii) Your pre-supplied cable who's diameter is between 5 to 36mm. Outside these diameter's please ring

Application: Nylon provides a guard against termites and ants.

Option: A PVC Sacrificial Sheath may also be applied over the nylon for protection during installation.

Polyethylene

Description: A tough and abrasion resistant sheathing which may be applied over existing cables.

Application: Underground applications.

Polyurethane Sheath

Description: A tough and abrasion resistant flexible sheathing which may be applied either over existing cables or during manufacturing as an alternative to conventional PVC.

Application: Rugged Installations.

Rubberized PVC

Application: Applied as sheathing on cables to enhance such properties as flexibility and durability in comparison to conventional PVC Sheathed Cables.

Blue Intrinsically Safe

Application: Blue PVC, normally used in Petrochemical Plants, Oil refineries or similar areas for cable identification.



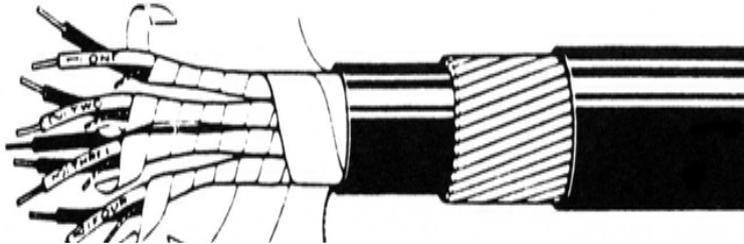
Steel Wire Armoured Cables

Description: Steel Wire Armouring involves the wrapping of multiple Galvanised Steel Wires around existing cables or newly manufactured cables plus a further PVC retainer sheath.

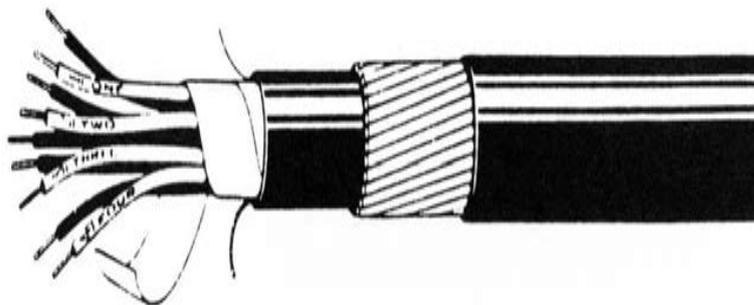
Application: For mechanical protection or if direct burial is required.

Cables Suitable for Armouring:

- (i) All products from the Euro-Tech Cable range of Standard Products with a diameter between 4 to 13mm.
- (ii) Cables specially designed by Euro-Tech Cables to suit your application and specifications.
- (iii) Your pre-supplied cable at the discretion of Euro-Tech Cables management.



Element and Overall Screened and Armoured



Overall Screened and Armoured



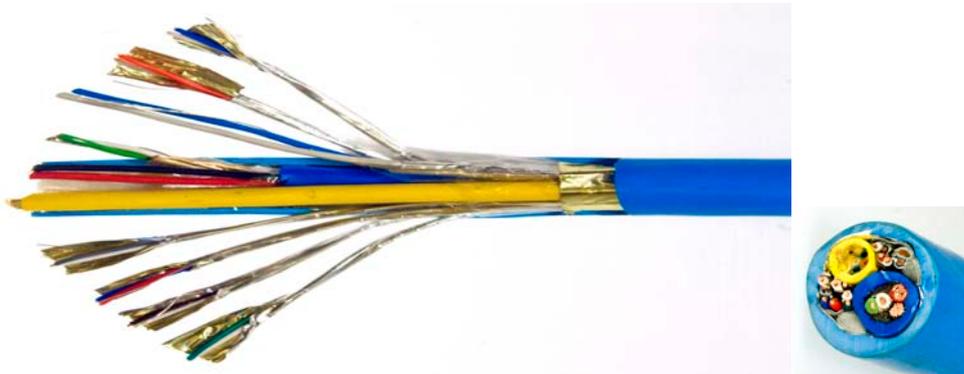
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Special Cables

Euro-Tech Cables Pty Ltd manufactures special cables to suit customer's requirements. These cables could be a Composite Type which may consist of various combinations of Cabling Elements OR simply non-standard Types which are not kept as a Stock Item by the general cable industry.

Euro-Tech Cables with their professional engineering experience can design and manufacture cables for clients' special applications.

Our technical staff will be pleased to assist clients to formulate their design, and prepare it for manufacturing.



Composite Cable Example

Description: 1 Pair, 30/0.25 PACW, PVC Insulated, individually Aluminium/Mylar Tape Screened with a 7/0.25mm TACW Drain wire, Screened Isolated, plus 6 Pairs 1/0.90 PACW Polyethylene Insulated, Individually Aluminium/Mylar Tape Screened with a 7/0.25mm TACW Drain wire, screened Isolated, Laid up with a K2G4IP Cable and a 6 Core Fibre Cable plus fillers, Overall Aluminium/Mylar Tape screened with a 7/0.25mm TACW Drain wire, PVC Sheathed



EURO-TECH CABLES PTY. LTD.

Mining Cables



Our mission is to manufacture quality products with short lead times.
Manufactured in Australia to Australian and New Zealand Standards and Conditions.

Euro-Tech Cables can design and manufacture unique individually custom made cables for the demands of the Mining and Geotechnical Industries.

Common combinations of Mining Cables include:

Composite cables incorporating Fibre and Instrumentation Cables.

Nylon Jacketing with or without a Sacrificial Sheath to help guard against Termite attack.

Copper Screening on your or our supplied cables.

Double Brass adds level of protection to your pre-supplied, our stock range or our custom made cables.



EURO-TECH CABLES PTY. LTD.

Colour Chart

Chart A

Pair No.	Colour	Pair No.	Colour	Pair No.	Colour	Pair No.	Colour
1	White - Blue	11	Black - Blue	21	Violet - Blue	31	Turquoise - Blue
2	White - Orange	12	Black - Orange	22	Violet - Orange	32	Turquoise - Orange
3	White - Green	13	Black - Green	23	Violet - Green		
4	White - Brown	14	Black - Brown	24	Violet - Brown		
5	White - Grey	15	Black - Grey	25	Violet - Grey		
6	Red - Blue	16	Yellow - Blue	26	Pink - Blue		
7	Red - Orange	17	Yellow - Orange	27	Pink - Orange		
8	Red - Green	18	Yellow - Green	28	Pink - Green		
9	Red - Brown	19	Yellow - Brown	29	Pink - Brown		
10	Red - Grey	20	Yellow - Grey	30	Pink - Grey		

Chart B

Wire No.	Colour	Wire No.	Colour	Wire No.	Colour	Wire No.	Colour
1	Red	14	Green/Red	27	Green/Black	40	Yellow/Grey
2	Blue	15	Yellow/Red	28	Orange/Green	41	Yellow/Black
3	Green	16	White/Red	29	Grey/Green	42	Grey/Orange
4	Yellow	17	Red/Black	30	Yellow/Brown	43	Grey/Red
5	White	18	Red/Brown	31	White/Brown	44	Grey/Black
6	Black	19	Yellow/Blue	32	Brown/Black	45	Orange/Brown
7	Brown	20	White/Blue	33	Grey/Brown	46	Orange/Black
8	Violet	21	Blue/Black	34	Yellow/Violet	47	Green/Brown
9	Orange	22	Orange/Blue	35	Violet/Black	48	Blue/Brown
10	Pink	23	Green/Blue	36	White/Violet	49	Pink/Blue
11	Turquoise	24	Grey/Blue	37	White/Orange	50	Pink/Orange
12	Grey	25	Yellow/Green	38	White/Grey		
13	Red/Blue	26	White/Green	39	White/Black		

Chart C

Pair No.	Colour	Pair No.	Colour	Pair No.	Colour	Pair No.	Colour
1	Red - Blue	8	Red - White	15	Green - Blue	22	White - Orange
2	Green - Yellow	9	Red - Green	16	Green - Black	23	Blue - Yellow
3	White - Black	10	Red - Black	17	Green - Brown	24	Blue - Brown
4	Brown - Violet	11	Red - Yellow	18	Green - Orange	25	Blue - Orange
5	Orange - Pink	12	Red - Brown	19	White - Yellow		
6	Turquoise - Grey	13	Red - Orange	20	White - Violet		
7	Black - Orange	14	Green - White	21	White - Brown		

Chart D

Pair No.	Colour	Pair No.	Colour	Pair No.	Colour
1	White - Blue	9	White - Blue/Brown	17	White - Green/Grey
2	White - Orange	10	White - Blue/Grey	18	White - White/Brown
3	White - Green	11	White - White/Orange	19	White - Brown/Grey
4	White - Brown	12	White - Orange/Green	20	White - White/Grey
5	White - Grey	13	White - Orange/Brown	21-40	Yellow
6	White - White/Blue	14	White - Orange/Grey		Repeat Sequence
7	White - Blue/Orange	15	White - White/Green	41-50	Black
8	White - Blue/Green	16	White - Green/Brown		Repeat Sequence



Note: 3 Pair Telephone Colours are White – Blue, Red – Black, Orange – Green

EURO-TECH CABLES PTY. LTD.

Conductor Information

AWG	Diameter Solid mm	Bunched No. / Dia.	Area Sq. mm	Resistance ohms / Km. @20°C		Suggested Current Rating AMPS
				Solid	Bunched	
28	0.320	7/0.12	0.081	214	242	0.5
26	0.406	7/0.16	0.141	135	128	0.8
25	0.455	14/0.12	0.160	106	121	0.8
24	0.511	7/0.20	0.220	84	87	1.4
22	0.643	7/0.25	0.350	53	55	2.0
20	0.813	7/0.30	0.501	33	39	3.0
20	0.813	16/0.20	0.509	33	38	3.0
18	1.020	7/0.40	0.890	21	21.2	4.5
18	1.020	16/0.25	0.796	21	24.4	4.5
18	1.020	24/0.20	0.754	21	25.5	4.5
17	1.150	32/0.20	1.018	16.6	19.1	6.0
16	1.290	7/0.50	1.391	13.2	13.6	9.0
16	1.290	30/0.25	1.491	13.2	13.1	9.0
14	1.630	63/0.20	2.004	8.3	9.7	11.0
13	1.830	50/0.25	2.485	6.6	7.8	15.0
13	1.830	7/0.67	2.47	6.6	7.41	15.0
13	2.050	63/0.25	3.131	5.2	6.2	20.0
12	2.300	7/0.85	3.97	4.1	4.61	25.0
11	2.300	56/0.30	4.007	4.1	4.5	25.0
10	2.588	84/0.30	6.011	3.3	3.1	35.0

For more information, please call Technical Services Department of Euro-Tech Cables.



EURO-TECH CABLES PTY. LTD.

TERMS AND CONDITIONS OF SALE

This contract governs the supply of any goods and services ("the Goods") by Euro-Tech Cables Pty Limited ("Euro-Tech") to you ("the Customer"). Unless otherwise specifically agreed in writing by Euro-Tech, all orders placed by the Customer with Euro-Tech for supply of the Goods will be on the following Terms and Conditions.

1. DELIVERY

- 1.1 Euro-Tech will make all reasonable efforts to deliver the Goods to the Customer on the date specified on Euro Tech's quotation ("the Delivery Date"), but will be under no liability to the Customer (or it's customers) should delivery not be made on the Delivery Date. Delivery Dates are estimates only not involving any contractual obligation.
- 1.2 Delivery will be to the location nominated by the Customer on its purchase order form. The Customer will be liable for all freight costs for deliveries.
- 1.3 Deliveries may be totally or partially suspended during any period in which Euro-Tech may be prevented or hindered from delivering by any circumstances outside its reasonable control, including but not limited to strikes, lockouts, raw material shortages, accidents or breakdowns of plant or machinery. The Customer acknowledges that in such an event Euro-Tech will be under no liability or obligation to deliver to the Customer any Goods not delivered during the period of suspension.
- 1.4 If Goods the subject of one order by the Customer are delivered by more than one delivery, each delivery will be deemed to be sold under a separate contract. Failure by Euro-Tech to deliver the whole of the order within the time requested on the Customer's purchase order will not entitle the Customer to repudiate the contract for the balance remaining undelivered.
- 1.5 This clause 1.5 applies only to Goods designed and manufactured by Euro-Tech to a Customer's specifications. Euro-Tech will endeavour to deliver to the Customer the quantity ordered. The Customer acknowledges that production conditions may lead to overruns or shortages, and accordingly the Customer will accept delivery notwithstanding that the quantity delivered may be more than or less than the quantity ordered, provided that such excess or shortage is not more than ten (10%) of the quantity ordered. A pro-rata addition or deduction will be made to the agreed contract price in the event of excess or shortage on delivery.

2. QUOTATIONS AND ACCEPTANCE

- 2.1 Euro-Tech's quotations are only open for acceptance within sixty (60) days after their date.
- 2.2 Quotations will become binding on Euro-Tech only upon receipt of an unconditional written acceptance in such form as Euro-Tech may require.
- 2.3 If there is no quotation, a purchase order will be deemed to be accepted by deliver of the Goods and submission of an invoice.

3. PRICING

- 3.1 Unless otherwise indicated, all prices quoted by Euro-Tech are ex-works and exclusive of GST.
- 3.2 Euro-Tech will provide a Tax Invoice indicating the GST payable and the Customer must pay this amount concurrently with the price of the goods.
- 3.3 The cost of any special packing and packing materials used in relation to the Goods will be at the Customer's expense notwithstanding that such cost may have been omitted from any quotation.
- 3.4 Prices quoted for Goods to be designed and manufactured by Euro-Tech based on specifications, drawings and other particulars submitted by the Customer are made on estimates of quantity required. Any adjustments required to the estimated quantities set out in Euro-Tech's quotation will be made on a unit rate basis according to unit prices set by Euro-Tech.

4. PAYMENT TERMS

- 4.1 Credit terms will only be granted following receipt of an acceptable credit application. If credit terms are granted, the terms of payment will be net thirty (30) days from the end of the month in which an invoice is issued in relation to each delivery of the Goods (unless otherwise agreed in writing).
- 4.2 If the customer makes a default in any payment or commits a default pursuant to clause 5.9, then the date for payment of all monies owing and outstanding to Euro-Tech, irrespective of whether the due date for payment as per the invoice has passed, will accelerate and become due and payable immediately. In such an event, Euro-Tech may without prejudice to any other rights it may have, suspend further deliveries, require payment in advance for all such deliveries, or terminate any contract forthwith by written notice to the Customer.

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- 4.3 The Customer will pay interest on all overdue payments at the rate of 1.5% per month (or such other rate as Euro-Tech may specify from time to time) from the due date for payment until the date that payment is actually made.
5. **PASSING OF TITLE AND RISK**
- 5.1 The risk in the Goods purchased from Euro-Tech by the Customer will pass to the Customer upon delivery by Euro-Tech to the Customer, or its agent, or its commissioned carrier.
- 5.2 Ownership and property in the Goods will not pass to the Customer but will remain with Euro-Tech until such time as:
- 5.2.1 full payment is made by the Customer to Euro-Tech for the Goods and there are no other amounts owing to Euro-Tech by the Customer; or
- 5.2.2 The Customer sells the Goods to his customers in the ordinary course of business.
- 5.3 Until ownership and property in the Goods passes to the Customer, the Customer will
- 5.3.1 hold the Goods on trust and as a fiduciary bailee for Euro-Tech;
- 5.3.2 store the Goods in a way that clearly manifests Euro-Tech's title and ownership in the Goods and in a manner which enables the Goods to be cross-referenced to particular invoices;
- 5.3.3 permit a representative of Euro-Tech to enter upon the Customer's premises at a time at the choosing of Euro-Tech to inspect the Goods.
- 5.4 If the Customer makes default in any payment of an amount due to Euro-Tech, or an event or default as specified in Clause 5.9 hereof occurs, Euro-Tech may without notice and without prejudice to any of its rights and remedies recover and/or resell the Goods or part of them, and may enter upon the Customer's premises to do all things necessary in order to take possession of the Goods. The Customer will be liable for Euro-Tech's cost connected with the exercise of Euro-Tech's rights under this clause, payable on demand.
- 5.5 In the event of the sale of the goods by the Customer in its capacity as trustee and fiduciary bailee will:-
- 5.5.1 hold the proceeds of sale in a separate bank account on trust for Euro-Tech and not mix any other funds with such proceeds of sale; and
- 5.5.2 Pay to Euro-Tech from such proceeds of sale, the amount which is owed by the Customer to Euro-Tech at the time the Customer receives such proceeds of sale.
- 5.6 In the event that the Customer breaches clause 5.5 and mixes other monies with the proceeds of sale being held on trust, then THE Customer will continue to hold on trust and as a fiduciary bailee for Euro-Tech, such part of the monies as relate to the Goods supplied by Euro-Tech. Such part will be deemed to be equal in dollar terms to the amount which is owed by the Customer to Euro-Tech at the time the Customer receives the proceeds of sale.
- 5.7 In the event that:
- 5.7.1 The Customer uses the goods in some manufacturing or construction process of its own or of some third party; and
- 5.7.2 The product resulting from the manufacturing or construction process is sold by the Customer, then the Customer will hold on trust and as a fiduciary bailee, such part of the proceeds of sale as relates to the Goods supplied by Euro-Tech. Such part will be deemed to be equal in dollar terms to the amount, which is owed by the Customer to Euro-Tech at the time the Customer, receives such proceeds of sale.
- 5.8 Notwithstanding the other provisions of this clause5, Euro-Tech may at its discretion, forfeit its right of ownership in all or part of the Goods in the possession of the Customer and elect to recover the outstanding price of all or part of the Goods (together with interest and solicitor/client legal costs) as a liquidated debt due to Euro-Tech by the Customer.
- 5.9 Notwithstanding clause 3 hereof, payment for the Goods supplied by Euro-Tech to the Customer will become due immediately upon the Customer committing any act of bankruptcy (if a natural person) or (being a Company) appointing an Administrator, or committing an act which entitles a third party to wind up, or appoint a Receiver, or Receiver and Manager to the Company.
6. **DATA AND SPECIFICATIONS**
- 6.1 Product data, specifications, design details and performance figures contained in Euro-Tech's Catalogues, price lists and other published material and advice by Euro-Tech is provided only as a guide to available information and does not form part of the contract for sale of the Goods. Reliance upon all such information or advice is entirely at the Customer's risk. Euro-Tech will not be liable for any loss or damage or any consequential loss or damage sustained by the Customer (including arising as a result of negligence) sustained by the Customer.

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- 6.2 All product data, specifications, design details, performance figures and other particulars submitted by Euro-Tech at the request of the Customer are approximate only. Any deviation will not entitle the Customer to make any objections or claims for compensation or rescind any contract with Euro-Tech.
7. **WARRANTY AS TO QUALITY**
- 7.1 The Customer has the benefit of the conditions and warranties implied by the Trade Practices Act 1974 and similar provisions of State and Territory enactments. Nothing herein excludes, limits or restricts or modifies any statutory obligation of Euro-Tech or any rights, entitlements and remedies conferred upon the Customer if that cannot lawfully be effected.
- 7.2 Subject to the provisions of this clause 7 and 8, Euro-Tech warrants for a period of 12 months from the time of purchase or if agreed in writing between Euro-Tech and the Customer, for a period of 12 months from installation, that all Goods sold are of merchantable quality.
- 7.3 If any defect or failure in the Goods becomes apparent under proper use within 12 months from the date of dispatch, Euro-Tech will at its option repair the Goods, replace the Goods or refund (and if a refund, an adjustment note will be provided) provided that Euro-Tech is satisfied that the defect or failure is due solely to faulty workmanship or use of faulty materials.
- 7.4 The warranty contained in clause 7.3 is conditional upon the Customer within twenty-one (21) days of becoming aware that the Goods are not of merchantable quality making a written claim to Euro-Tech setting out the full particulars of such claim, and having regard to clause 7.5, where possible returning to Euro-Tech sufficient part of the Goods to enable a proper examination.
- 7.5 Before returning the Goods the subject of a written claim, the Customer must first obtain a Return Authorisation Number from Euro-Tech. The Goods then returned must be in original packaging, accompanied by a copy of Euro-Tech's invoice, and sent to Euro-Tech freight plus insurance pre-paid (one way).
- 7.6 Goods cannot be rejected unless damaged, defective or incorrectly supplied. Goods specially produced or procured to the Customer's order cannot be rejected as being unsuitable or because they are no longer required by the Customer.
- 7.7 The warranty in clause 7.3 does not apply to Goods supplied by Euro-Tech which are not manufactured by Euro-Tech. Any such Goods will only be supplied with the warranty (if any) of the manufacturer of those goods.
8. **DISCLAIMERS**
- 8.1 Except as provided in clause 7, Euro-Tech will not be liable for any loss (including but not limited to loss of profits and consequential loss) caused by any act or omission (including negligence) of Euro-Tech or its agents and any liability arising out of the supply, re-supply use or re-use of the Goods however arising including by virtue of representation, warranty or express or implied condition is hereby excluded.
- 8.2 All orders are accepted on the understanding that the Customer will be responsible for determining. That the Goods sold or manufactured by Euro-Tech are suitable for a particular application.
- 8.3 Customer items are accepted for processing by Euro-Tech at the Customer's own risk. Whilst Euro-Tech will use its best endeavours to carry out the instructions of the Customer, all items are accepted, treated, processed and stored entirely at the risk of the Customer and no liability whatsoever (including arising from negligence) is accepted by Euro-Tech.
- 8.4 No liability will be accepted by Euro-Tech nor is any guarantee or other undertaking given or implied in respect of any act or omission by Euro-Tech in respect of the following:
- 8.4.1 if performance figures are not achieved unless the specification to which Euro-Tech is working lays down such figures or unless Euro-Tech has made a specific guarantee in writing;
- 8.4.2 for any injury, loss or damage suffered by the Customer which may in any degree be attributed to the use of the Goods or to the adoption of data, design, materials or advice given by Euro-Tech as to the use of Goods notwithstanding any want or care on the part of Euro-Tech in compiling or giving any advice or information;
- 8.4.3 the faulty or defective design of any Goods supplied unless such design has been wholly prepared by Euro-Tech and the responsibility for any claim has been specifically accepted by Euro-Tech in writing and in any event the Customer's remedy hereunder will be strictly limited to the remedies set out in clause 7.3.
- 8.5 The Customer will keep Euro-Tech fully indemnified against all losses and expenses (including solicitor/client legal expenses) which Euro-Tech may suffer or incur due to the failure by the Customer to observe its obligations under this contract, including losses and expenses arising from Euro-Tech entering a Customer's premises and repossessing the Goods as provided for in clause 5.4.

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- 8.6 By giving Euro-Tech your Purchase order you accept our terms and conditions on behalf of yourself and/or anyone else who has an interest in the purchase order. Only our authorised officers may agree to a variation of these terms and conditions in writing. When you give us the purchase order with oral or written instructions that conflict with our terms and conditions we shall not be bound by such instructions.
9. **STORAGE**
- 9.1 The storage of Goods required due to the inability of the Customer to accept the Goods for any Reason or where deferred delivery is expressly requested by the Customer will be subject to an extra charge (as reasonably determined by Euro-Tech).
10. **DESCRIPTION OF GOODS**
- 10.1 All Goods to be supplied by Euro-Tech will be:
- 10.1.1 as described in the quotation given by Euro-Tech irrespective of any period variation in the purchase order accepting such quotation; or
- 10.1.2 if there is no quotation, as described in the purchase order accepted by Euro-Tech in accordance with clause 2.3.
11. **CANCELLATION**
- 11.1 No purchase order may be cancelled except with the prior written consent of Euro-Tech Cables and on Terms which will indemnify Euro-Tech Cables against all losses.
12. **IMPLIED CONTRACTS**
- 12.1 The terms appearing herein are incorporated by implication into all agreements between Euro-Tech Cables to supply the Customer with the Goods, irrespective of other terms appearing in documentation provided by the Customer.
13. **GERNERAL POSSESSORY LIEN**
- 13.1 The Customer agrees that Euro-Tech may retain possession of any items or materials supplied by the Customer to Euro-Tech in connection with the manufacture of the Goods by Euro-Tech until the Customer has paid to Euro-Tech all moneys which are due and payable by the Customer to Euro-Tech.
14. **MISCELLANEOUS**
- 14.1 Unless expressed in writing to the Customer, the failure or delay by Euro-Tech in exercising any right, power or privilege available to it will not operate as a waiver thereof nor will the exercise by Euro-Tech of any other right, power or privilege prevent it from exercising any other rights, power or privileges available to it.
- 14.2 The validity and interpretation of the provisions herein and their effect are governed by the laws in force in New South Wales. Each party submits to the non-exclusive jurisdiction of Courts of that State or Courts of Appeal there from.
- 14.3 If any part of these Terms and Conditions is held to be void or unlawful, those terms and conditions will be read and enforced as if the void or unlawful provisions have been deleted.

EURO-TECH CABLES PTY. LTD.



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