

PLUGS

ADAPTORS

***NACCESS***

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CORDS

SOCKETS

**CATALOG 5**



# Delivering more power, telecom, computer and data.

Welcome to our 5th edition catalog and thanks for your continued support.

We have been hard at work with our suppliers to reduce costs ensuring that we are able to maintain competitive prices despite the deteriorated exchange rate.

Our large stock holdings place us in a strong position to provide immediate delivery on most inventory items. We have also fine tuned and upgraded many of our products in response to customer requirements.

Be sure to take a look at our new Category 5 section which now includes Enhanced cable, patch cords and panels. Our range of power supplies has also been expanded with over 15 different housings and new Switch Mode PSU models. We also have expanded our range of power cords.

We hope you keep our catalog close at hand and find it an invaluable resource.

Best regards, Staff and Management.

**ACCESS**  
COMMUNICATIONS PTY LTD

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# Australian / U.S. Modular Adaptors

## 606M Modular Plug Adaptor



Adapts 6 position U.S. modular plugs to 606 telephone plugs. Unique new slim design allows 606M to fit into double adaptors or stacked wall sockets without obstructing one of the 610 sockets. Therefore, two 606M adaptors will fit into a standard double adaptor. Special colors and wiring configurations are also available. 606M is designed and manufactured by Access.

Australian patent # 608356.

Austel Permit # A96/0545

**[BULK 100/1200] [BLST 420 P6240 only]**

Cat #	Conductors	Color
P6220	2	Ivory
P6221	2	Ash
P6222	2	Black
P6240	4	Ivory
P6241	4	Ash
P6242	4	Black
P6243	4	Grey
P6260	6	Ivory

## 608M RJ45 Modular Plug Adaptor



Adapts 8 position RJ45 U.S. modular plugs to 606 telephone plugs. Unique new slim design allows 608M to fit into double adaptors or stacked wall sockets without obstructing one of the 610 sockets. Therefore, two 608M adaptors will fit into a standard double adaptor. Special colors and wiring configurations are also available. 608M is designed and manufactured by Access.

Australian patent # 608356.

Austel Permit # A96/0545

**[BULK 100/1200] [BLST 450]**

Cat #	Conductors	Color
P6282	2	Ivory
P6284	4	Ivory

## 615M Half Modular Adaptor



615M adaptor combines 605 plug and 610 socket, with side entry 6 position U.S. modular socket. Parallel wiring and mode 3 wiring versions are available. Custom wiring configurations can also be made if required.

Australian design registration #122281.

Austel Permit # A93/83H/0021

**[BULK 500] [BLST 320]**

Cat #	Wiring	Color
P6150	4 conductor parallel	Ivory
P6151	mode 3	Ivory

## 605M Modular Plug Adaptor



Adapts 6 position U.S. modular plugs to 605 telephone plugs. Special colors and wiring configurations are also available. 605M is designed and manufactured by Access.

Austel Permit # A93/83H/0021

**BULK 100/600**

Cat #	Conductors	Color
P6058	2	Ivory
P6060	4	Ivory
P6066	6	Ivory

## 606DM Dual Modular Plug Adaptor



Adapts two 6 position U.S. modular plugs to 606 telephone plug. Unique new slim design allows 606DM's to fit into double adaptors or stacked wall sockets without obstructing one of the 610 sockets. Therefore, two 606DM adaptors will fit into a standard double adaptor. Special colors and wiring configurations are also available. 606DM is designed and manufactured by Access.

Australian patent # 608356.

Austel Permit # A96/0545

**[BULK 100/1200] [BLST 450]**

Cat #	Conductors	Color
P6340	4	Ivory

## 610M Modular Socket Adaptor



Adapts 6 position U.S. modular plugs to 610 telephone sockets. Special colors and wiring configurations are also available. 610M is designed and manufactured by Access.

Austel Permit # A93/83H/0021

**[BULK 100] [BLST 320]**

Cat #	Conductors	Color
P6108	4	Ivory

# Australian Telephone Plugs and Sockets

## 605A Telephone Plug



Standard Australian 4 or 6 terminal telephone plug. Mates with 610, 611 and 612 telephone sockets. Connection to conductors is made using H1130 quick connect crimps. P6050 is available in a blister pack complete with grommet. SKD stock also available in bulk cartons of 1200.

Australian patent # 608356.  
Austel CCL # A93/PL/0055

[BULK 100/1200] [BLST 320]

Cat #	Conductors	Color
P6050	4	Ivory
P6048	4	Ash
P6051	4	Black
P6052	6	Ivory
P6049	6	Ash
P6053	6	Black
P6054	*	White

## 610 W Telephone Wall Socket



Standard Australian telephone wall socket. Will accept 605, 606 or 603 telephone plugs. Our totally new 610 wall socket has numerous features and improvements:

- Longer terminal screws with thicker and wider heads
- Tightly captive washers beneath terminal screw-head for reliable insulation crushing
- Tightly seated metals will not drop out during installation
- Compatible with snap-on adhesive wall plates
- New Austel permit number engraved on outside of lid
- Quality plastic with highly polished finish
- Longer lid screw for compatibility with stacking adaptors
- Shrink wrapped in strips of 5 for easier handling
- Competitively priced

Austel Permit # A96/0182

[BULK 5/100/800] [BLST 320]

Cat #	Color
P6105	Ivory
P6106	Ash
P6107	White

## 610 Stacking Adaptors



This adaptor replaces the original lid of an existing 610 or 611 socket, allowing another 610 or 611 to be stacked on top. All wiring is fed thru internally.

[BULK 10/100]

Cat #	Color
P8630	Ivory

## 610 Self Adhesive Backing Plates



Self adhesive backing plate to eliminate the requirement to use screws when mounting 610 or 611 sockets to any flat, clean surface. Access, Exicom and other compatible 610 or 611 sockets simply snap-on to the backing plate.

[BULK 50/500]

Cat #	Color
P8620	Ivory

## 606 Telephone Plug



Standard Australian 2 or 4 terminal telephone plug. Compact design with internal cord restraint barbs. Mates with 610, 611 and 612 telephone sockets. Connection to conductors is made using H1130 quick connect crimps. Bulk cartons of 1200 are packed SKD.

Australian patent # 608356.  
Austel CCL # A96/PL/0076

[BULK 100/1200]

Cat #	Conductors	Color
P6055	2	Ivory
P6056	2	Ash
P6057	2	Black
P6068	4	Ivory
P6069	4	Ash
P6070	4	Black

## 615 Plug/Socket Adaptor



Adaptor which combines 605 plug and 610 socket, with side cable entry and internal cavity to accept our G5 cord restraint grommet. Can be wired for mode 3 or any configuration. Australian design registration # 96142.

Austel Permit # RA86/133

[BULK]

Cat #	Color
P5615	Ivory
P5620	Ash

## 610T Telephone Cord Socket



Standard Australian telephone cord socket. Will accept 605, 606 or 603 telephone plugs. Cut-out accepts our standard grommets. P6100 is available in a blister pack complete with grommet. SKD stock also available in bulk cartons of 1200.

Austel CCL # A92/CC/0218

[BULK100/1200] [BLST 320]

Cat #	Color
P6100	Ivory
P6104	Ash
P6101	Black
P6103	White

# U.S. Modular Adaptors

## Modular Double Adaptor



Two devices with U.S. modular plugs can be connected to one U.S. modular socket using these modular double adaptors. Standard wiring configuration is straight-thru. Special wiring configurations are also available.

Austel Permit # C89/01A/0294

**[BULK 50] [BLST 250 P2200 only]**

Cat #	Type	Wiring Polarity
P2200	6P4C	straight-thru (1-1)
P2201	6P6C	straight-thru (1-1)
P2202	8P8C	straight-thru (1-1)

## Modular Coupler



Enables two cords fitted with U.S. modular plugs to be coupled together. Can also be used as a gender changer. Straight-thru or Cross-over wiring versions are available.

Austel Permit # C89/01A/0302

**[BULK 60] [BLST 250 P2210 only]**

Cat #	Type	Wiring Polarity
P2210	6P4C	straight-thru (1-1)
P2209	6P6C	straight-thru (1-1)
P2207	8P8C	straight-thru (1-1)
P2208	8P8C	cross-over (1-8)
P2205	10P10C	straight-thru (1-1)

## Modular Reducer



The modular reducer inserts into most 6P4C modular sockets converting them to accept 4P4C plugs. Can be used in wall outlets or fitted to other 6 position sockets or adaptors. 8 position to 6 position version now available.

**[BULK 500]**

Cat #	Type
P2220	6 position to 4 position
P2222	8 position to 6 position

## Modular Triple Adaptor



Three devices with U.S. modular plugs can be connected to one U.S. modular socket using these modular triple adaptors. Standard wiring configuration is straight-thru. Special wiring configurations are also available. Austel Permit # C89/01A/0294

**[BULK]**

Cat #	Type	Wiring Polarity
P2234	6P4C	straight-thru (1-1)
P2236	6P6C	straight-thru (1-1)
P2238	8P8C	straight-thru (1-1)

## Modular 3-Way Coupler



Three cords with U.S. modular plugs can be connected together using these modular 3-way couplers.

Austel Permit # C89/01A/0302

**[BULK 50]**

Cat #	Type	Wiring Polarity
P2212	4P4C	straight-thru (1-1)
P2214	6P4C	straight-thru (1-1)
P2215	6P6C	straight-thru (1-1)
P2218	8P8C	straight-thru (1-1)

## Handset/headset Trainer Adaptor



4P4C US modular double adaptor fitted with a short cord. Used for connecting a headset and handset into the same telephone for training applications. Double-sided tape included for attaching the adaptor to the telephone or desk. Available in black or ivory.

**[BULK]**

CAT #	COLOR
P2344	Black
P2345	Ivory

## Splitters



Splits one 8 position socket into two sockets. Ideal to split an existing Category 5 wall socket for use with 2 separate devices. Different wiring configurations are available. Note: These splitters have not been certified to Category 5.

**[BULK 50]**

Cat #	Socket A	Socket B
P2321	8 Position Voice	8 Position Voice
P2322	8 Position Data	8 Position Data
P2323	8 Position Voice	8 Position Data
P2328	8 Position Data	6 Position Voice

# Australian Adaptors, Data Plug & Socket

## 600 Double Adaptor



This efficiently designed compact one piece double adaptor features 6 conductor parallel wiring configuration which suits most telecommunications devices fitted with 605 or 606 telephone plugs.

Austel Permit # C86/01/0078

**[BULK 600] [BLST 320]**

**Cat #**  
P5600

## Double Adaptor with Cord



This double adaptor is fitted with a short cord to overcome difficulties accessing inconveniently located sockets where use of one piece adaptors is impractical. The parallel wiring configuration suits most direct telephone lines. 4 conductor version is standard, 6 conductor type also available.

Austel Permit # C85/01/0022

**[BULK 200]**

Cat #	Wiring	Color
P5606	4 conductor parallel	Ivory
P5610	6 conductor parallel	Ivory

## 611W Data Socket



Suitable for security devices, diallers, modems and other auxiliary equipment. Accepts 604, 605 or 606 telephone plugs. Often referred to as a mode-3 socket. 2 grades are available, P6116 is fitted with cams.

Austel Permit # C89/83/0191

**[BULK 100/800]**

Cat #	Color	Type	Cams
P6115	Ivory	Wall	No
P6116	Ivory	Wall	Yes
P6114	Ivory	In-line	yes

## 635 Double Adaptor



One piece double adaptor features 6 conductor wiring configuration which suits most telecommunications devices fitted with 605 or 606 telephone plugs. Removable panels allow access to change wiring configuration if required. Standard wiring is parallel.

Austel Permit # C87/01/0116

**[BULK 80/480]**

**Cat #**  
P5609

## 630 Mode 3 Adaptor



One piece mode 3 adaptor for connection of certain security diallers and some older facsimiles and modems. Removable panels allow configuration change if required. Incorporates 605 plug, 610 and 611 sockets.

Austel Permit # C87/01/0116

**[BULK 80/480] [BLST 180]**

**Cat #**  
P5665

## 604 Data Plug



Compatible only with 611 telephone sockets. Applications include leased lines, security diallers and other auxiliary equipment.

Austel CCL # A92/PL/0216

**[BULK 100/1200]**

Cat #	Color
P6040	Ivory
P6041	Ash
P6042	Charcoal

# Extension & Line Cord Assemblies

## 606/610 4 Conductor Extension Cord



Standard 4 conductor extension cord with 606 plug and 610 socket, suitable for telephones and a wide range of other devices.

Austel Permit # C85/01/0022

[BULK 100/300] [BLST]

Cat #	Length	Blister/Ctn
W1277	2 Metre	60
W1278	3 Metre	60
W1280	5 Metre	60
W1300	10 Metre	32
W1310	15 Metre	32
W1320	20 Metre	32
W1325	25 Metre	24
W1330	30 Metre	24

## RJ11 to 610 Extension Socket Cord



4 conductor extension cord fitted with 6P4C RJ11 modular plug and standard 610 telephone line socket. Often used to connect telephone handsets to a fax or modem. Various lengths, colors and wiring configurations are available to special order.

Austel Permit # C89/01A/0293

[BULK 300] [BLST 60]

Cat #	Length
W1002	2 Metre

## 605/610 6 Conductor Extension Cord



6 conductor parallel configuration extends line cords on Commander stations, PABX phones, faxes, modems or other devices where 4 conductor extension cords are unsuitable.

Austel Permit # C85/01/0022

[BULK] [BLST 60]

Cat #	Length
W2395	3 Metre
W2400	5 Metre
W2450	10 Metre
W2455	15 Metre

## 4 Conductor Modular Line Cord



4 conductor line cord with 6P4C RJ11 modular plugs on each end. Standard wiring is cross-over to suit most voice applications. Various lengths and color combinations are available to special order. Austel CCL # printed on cord.

Austel Permit # C89/01A/0296

[BULK] [BLST]

Cat #	Length	Wiring Polarity	Blister/Ctn
W2471	1 Metre	Cross-over	60
W2492	2 Metre	Cross-over	60
W2495	3 Metre	Cross-over	60
W2505	5 Metre	Cross-over	60
W2532	10 Metre	Cross-over	32
W2525	15 Metre	Cross-over	32
W2490	2 Metre	Straight-thru	*

## 615/610 Extension Cord with Double Adaptor



4 conductor extension cord with 615 double adaptor to enable retention of existing telephone outlet whilst also providing an additional socket.

Austel Permit #C86/01/0079

[BULK] [BLST 32]

Cat #	Length
W2335	5 Metre
W2360	10 Metre
W2370	15 Metre

## 606/RJ11 Line Cord



Replacement line cord with 6 position RJ11 modular plug and standard Australian 606 plug for connecting telecommunications devices to the network. A wide variety of lengths, colors & wiring configurations are available to special order. Catalog # W0022, W0023 and W0025 are blister packed.

Austel Permit # C89/01A/0293

[BULK 300] [BLST 60]

Cat #	Length	Conductors	Color	Packaging
W3610	2 metre	2	Ivory	Bulk
W3612	2 metre	2	Ash	Bulk
W3614	2 metre	2	Black	Bulk
W3620	3 metre	2	Ivory	Bulk
W3622	3 metre	2	Ash	Bulk
W3624	3 metre	2	Black	Bulk
W3650	2 metre	4	Ivory	Bulk
W3652	2 metre	4	Ash	Bulk
W3654	2 metre	4	Black	Bulk
W0022	2 metre	4	Ivory	Blister
W0023	3 metre	4	Ivory	Blister
W0025	5 metre	4	Ivory	Blister

## Modular Extension Cord Male/Female



Modular extension cord with 6 position modular plug and socket. 4 or 6 conductor versions and various lengths available to special order.

[BULK] [BLST]

Cat #	Length	Conductors
W2535	5M	4

## 615/RJ11 Extension Cord



4 conductor extension line cord with 615 double adaptor and 6P4C RJ11 modular plug. Various lengths, colors and wiring configurations are available to special order.

Austel Permit # C89/01A/0293

[BULK]

Cat #	Length
W2375	10 Metre

# Handset & Coiled Cord

## 6 Conductor Modular Line Cord



6 conductor line cord with 6P6C RJ12 modular plugs on each end. Various lengths and color combinations are available to special order. Both straight-thru and cross-over wiring type are available. Austel CCL # printed on cord.

Austel Permit # C89/01A/0296

### [BULK]

Cat #	Length	Wiring Polarity
W2472	Various	Either

## RJ45/RJ45 Modular Line Cord



4 conductor line cord fitted with one 6 position RJ11 and one 8 position RJ45 modular plug. Various lengths, colors & wiring configurations are available to special order. Both straight-thru and cross-over wiring type are available. Austel CCL # printed on cord.

Austel Permit # C89/01A/0296

### [BULK 300]

Cat #	Length	Wiring Polarity
W2478	2 Metre	Either
W2483	3 Metre	Either
W2485	5 Metre	Either
W2488	10 metre	Either
W2489	15 metre	Either

## RJ45/RJ45 Modular Line Cord



Flat modular line cord with an 8P8C RJ45 modular plug on each end. Available with 4, 6 or 8 conductor cord in various lengths, colors & wiring configurations. Both straight-thru and cross-over wiring type are available. Austel CCL # printed on cord.

Austel Permit # C89/01A/0296

### [BULK]

Cat #	Length	Wiring Polarity
W2474	Various	Either

## Modular Coiled Handset Cord



Standard 4 conductor coiled cord fitted with 4P4C U.S. modular plugs. Can also be supplied with any tail lengths, other connectors or unterminated if specified.

Austel Permit # C89/01A/0296

### [BULK 200/300] [BLST 32/60]

Cat #	Color	Length
W3030	Ivory	3 Metre
W3040	Ash	3 Metre
W3010	Black	3 Metre
W3060	White	3 Metre
W3005	Grey	3 Metre
W3020	Brown	3 Metre
W3100	Ivory	5 Metre
W3110	Ash	5 Metre
W3080	Black	5 Metre
W3130	White	5 Metre
W3170	Ivory	8 Metre
W3180	Ash	8 Metre
W3150	Black	8 Metre
W3200	White	8 Metre

## 6 and 8 Conductor Coiled Cord



Flat or round coiled 6 or 8 conductor cord fitted with U.S. modular plugs. Can be supplied with any tail lengths, other connectors or unterminated if specified.

### [BULK]

Cat #	Color	Conductor	Flat/Round	Length
W3310	Black	6	Flat	3 Metre
W3320	Black	6	Flat	5 Metre
W3420	Black	8	Flat	3 Metre
W3330	Black	6	Round	3 Metre
W3333	Ash	6	Round	3 Metre
W3335	Black	6	Round	5 Metre
W3400	Ash	8	Round	3 Metre

## Armoured Handset Cord



Flexible metal armoured 4 conductor handset cord. Vandal resistant for emergency and public telephones.

### [BULK]

Cat #
K2958

## Special Coiled Cords



Access Communications are experts in manufacture and supply of specialised flat or round coiled cords. Our standard conductors are tinsel but other conductor types are also available. Polyester or Kevlar threads can be added for extra strength if required. Ends can be made with any tail lengths, connectors or unterminated if specified.

### [BULK]

## Expandite & Block



6 conductor round coiled cord terminated with 6 contact terminal blocks. For security, cash drawers and other applications. Terminal blocks and coiled cord also available separately.

### [BULK 20/120]

Cat #	Type
K5600	Complete
K5605	Block Only
W3333	Cord Only

## Extension Reel 15M



Standard Australian telephone extension cord with 605 plug and 610 socket on a compact dispenser reel. Fitted with convenient carry handle for portability. Available in a full color or plain white gift box.

ACA Supplier Code N692

### [BOX]

Cat #	Length	Color
K3510	15M	Ivory

# Cord Components

# US Modular Sockets

## Y-Terminals



Insulation displacement "Y" shaped terminals for use when connecting telephone line cords to screw terminals. Folded tips hold the terminal captive while the screw is tightened. Available in packs of 10, 150 or bulk.

[BULK 1000] [POLY 10/150]

Cat #	Quantity
P1100	10 Pack
P1110	150 Pack

## Quick Connect Crimps



H1130 insulation piercing quick connect crimps, used for connection of insulated line cord conductors to telephone plug types 603, 604, 605, 606 and 615. Single form, packed in poly bags of 10, 150 or bulk. Also available in 20K rolls, continuous form.

[BULK 1000] [POLY 10/150] [REEL 20K]

Cat #	Quantity
P1130	10 Pack
P1135	150 Pack

## Grommets



PVC grommets suit most line cord types and provide effective strain relief. Table shows representative range only, custom grommets can be tooled to suit your special requirement.

[BULK 1000/5000]

Cat #	Color	Type	Cord Dimen's	Cord Type
P7100	Ivory	G1	2.5 x 5.0mm	4Conductor Flat
P7150	Ash	G1	2.5 x 5.0mm	4 Conductor Flat
P7120	Black	G1	2.5 x 5.0mm	4 Conductor Flat
P7110	White	G1	2.5 x 5.0mm	4 Conductor Flat
P7130	Grey	G1	2.5 x 5.0mm	4 Conductor Flat
P7140	Brown	G1	2.5 x 5.0mm	4 Conductor Flat
P7210	Ivory	G2	5.0mm	6 Conductor Rnd
P7220	Ash	G2	5.0mm	6 Conductor Rnd
P7200	Black	G2	5.0mm	6 Conductor Rnd
P7320	Ivory	G3	2.5 x 7.0mm	6 Conductor Flat
P7330	Ash	G3	2.5 x 7.0mm	6 Conductor Flat
P7310	Black	G3	2.5 x 7.0mm	6 Conductor Flat
P7400	Black	G4	2.5 x 5.0mm	4 Conductor Flat
P7410	Grey	G4	2.5 x 5.0mm	4 Conductor Flat
P7500	Ivory/Ash	G5	2.5 x 5.0mm	4 Conductor Flat
P7600	Ivory	G6	3.0 x 5.0mm	4Con BT/NZ Flat
P7610	Ash	G6	3.0 x 5.0mm	4Con BT/NZ Flat
P7620	White	G6	3.0 x 5.0mm	4Con BT/NZ Flat
P7800	Ivory	G8	2.5 x 9.0mm	8 Conductor Flat

## Toroid



Ferrite toroid as required for telephone line cords of some devices to ensure compliance with EMC standards. Hinged plastic case for easy fitting to line cord. Injection molded version also available.

[BULK]

Cat #	Color
K3900	Ash

## PCB Mount Sockets



For mounting on printed circuit boards, standard U.S modular sockets with footprint to suit most applications. We also specialise in the supply of all available types with any variant of footprint, profile, color, gold plating contact requirement or engineering specification.

[BULK]

Cat #	Type	Profile	Color
P1330	4P4C	Standard 616	Grey
P1335	6P4C	Standard 623	Grey
P1340	6P6C	Standard 623	Grey
P1350	8P8C	Standard 647	Grey
P1341	6P6C	Standard 623	Black
P1342	6P6C	Low Profile	Black
P1348	6P6C	Top Entry	Black
P1360	6P4C	Low Profile	Black
P1228	4P4C	Top Entry	Black
P1333	4P4C	Top Entry	Black
P1337	6P4C	Dual Gang	Grey
P1338	6P6C	Dual Gang	Black
P1349	6P6C	MMJ	Black

## Case Mount Sockets



Versatile case or panel mountable U.S. modular sockets fitted with 175mm conductors (170mm + 5mm tinned tips). Popular 623K 6 position and 616M 4P4C types are stocked and most other types are also available.

[BULK]

Cat #	Type	Profile	Color
P1220	4P4C	616B Nitsuko	Grey
P1221	4P4C	616B	Grey
P1225	4P4C	616M	Grey
P1227	4P4C	616J Comset	Clear
P1230	4P4C	616W (BN)	Grey
P1235	6P4C	623K	Grey
P1240	6P6C	623K	Grey
P1226	4P4C	616M Flange	Grey
P1229	4P4C	616P	Grey

# US Modular Plugs

## 4 Position Modular Plug



Generally used for termination of coiled handset cords. Plugs with 50u", 30u" and 15u" gold plated contacts are available. Packed in bags of 20, 50, 100 or 1000. Header bag of 5 pieces also available. Plugs for stranded or solid conductors with round or flat cord entry are available.

Austel CCL # A93/PL/0086

**[BULK 20/50/100/1000] [POLY 5]**

Cat #	Type	Cord Entry	Conductor Type	Packing
P2124	4P4C	Flat	Stranded	Bulk
P2125	4P4C	Flat	Stranded	5Pack
P2123	4P4C	Round	Stranded	Bulk
P2122	4P4C	Round	Solid	Bulk

## 6 Position Modified Modular Plug (MMP)



MMP type with offset latch as used for specific computer systems. Plugs with 50u" and 30u" gold plated contacts are stocked. Packed in bags of 20, 50, 100 or 1000. Plugs for stranded or solid conductors with round or flat cord entry are available.

Austel CCL # A93/PL/0086

**[BULK 20/50/100/1000] [POLY 5]**

Cat #	Type	Cord Entry	Conductor Type	Packing
P2141	6P6C	*	*	Bulk

## 6 Position Long Body Modular Plug



Similar to the standard 6 position modular plug but has a long body as required to mate with deeply recessed modular sockets. Plugs with 50u", 30u" and 15u" gold plated contacts are available. Packed in bags of 20, 50, 100 or 1000. Plugs for stranded or solid conductors with round or flat cable entry are available.

**[BULK 20/50/100/1000]**

Cat #	Type	Cord Entry	Conductor Type	Packing
P2148	6P6C	Flat	Solid	Bulk

## 6 Position Modular Plug



Generally used for termination of line cords. Plugs with 50u", 30u", 15u" and 6u" gold plated contacts are available. Packed in bags of 20, 50, 100 or 1000. Header bag of 5 pieces also available. Plugs for stranded or solid conductors with round or flat cord entry are stocked. Shielded versions also available.

Austel CCL # A93/PL/0086

**[BULK 20/50/100/1000] [POLY 5]**

Cat #	Type	Cord Entry	Conductor Type	Packing
P2130	6P2C	Flat	Stranded	Bulk
P2136	6P4C	Flat	Stranded	Bulk
P2138	6P4C	Round	Solid	Bulk
P2137	6P4C	Round	Stranded	Bulk
P2135	6P4C	Flat	Stranded	5Pack
P2140	6P6C	Flat	Stranded	Bulk
P2143	6P6C	Round	Stranded	Bulk
P2144	6P6C	Round	Solid	Bulk
P2146	6P6C	*	*	Bulk
	(Shielded)			

## 8 Position Keyed Modular Plug



Similar to the standard 8 position modular plug but has raised key on one side of the plug to prevent insertion into a non-keyed 8 position socket. Plugs with 50u", 30u" and 15u" gold plated contacts are available. Packed in bags of 20, 50, 100 or 1000. Plugs for stranded or solid conductors with round or flat cord entry are stocked.

Austel CCL # A93/PL/0086

**[BULK 20/50/100/1000]**

Cat #	Type	Cord Entry	Conductor Type	Packing
P2166	8P8C	Keyed	*	Bulk

## 8 Position Modular Plug



For data communications, telephones, cellular and computers. Plugs with 50u", 30u" and 15u" gold plated contacts are available. Packed in bags of 20, 50, 100 or 1000. Header bag of 5 pieces also available. Plugs for stranded or solid conductors with round or flat cord entry are stocked. Shielded versions also available.

Austel CCL # A93/PL/0086

**[BULK 20/50/100/1000] [POLY 5]**

Cat #	Type	Cord Entry	Conductor Type	Packing
P2163	8P8C	Flat	Stranded	Bulk
P2160	8P8C	Flat	Solid	Bulk
P2162	8P8C	Round	Stranded	Bulk
P2164	8P8C	Round	Solid	Bulk
P2168	8P8C	Flat	Stranded	5Pack
P2165	8P8C	Round	Stranded	Bulk
	(Shielded)			
P2167	8P8C	Flat	Solid	Bulk
	(Shielded)			
P2161	8P8C		2-Piece	Bulk

## 10 Position Modular Plug



Generally used on cellular mobile transceivers and small multi-line telephone systems. Plugs with 50u" or 30u" gold plated contacts are available. Packed in bags of 20, 50, 100 or 1000. Plugs for stranded or solid conductors are stocked.

Austel CCL # A93/PL/0086

**[BULK 20/50/100/1000]**

Cat #	Type	Cord Entry	Conductor Type	Packing
P2170	10P10C	*	*	Bulk

# British Telecom/ New Zealand Accessories

## RJ11 Line Cord BT/NZ to U.S.



New Zealand or British line cord for telephones and devices with U.S. modular line jacks. Standard wiring configuration, fitted with BABT approved 6P4C plug.

Austel Permit # C89/01A/0301

**[BULK 300]**

Cat #	Length
W2392	2 Metre

## Extension Cord BT/NZ



Standard BT/NZ telephone line extension cord.

Austel Permit # C89/01A/0253

**[BULK]**

Cat #	Length
W2382	5 Metre
W2381	10 Metre

## Line Cord BT/NZ to 605



Line cord fitted with Australian 606 plug and BT/NZ 6P4C line plug. Allows devices with BT/NZ line sockets to be connected to Australian 610 telephone wall sockets.

Austel Permit # C89/01A/0301

**[BULK]**

Cat #	Length
W2393	2 Metre

## Extension Cord with Double Adaptor BT/NZ



Extension line cord with BT/NZ double adaptor and 6P4C BT/NZ plug.

Austel Permit # C89/01A/0253

**[BULK]**

Cat #	Length
W2385	10 Metre

## Line Cord BT/NZ to 610



This adaptor allows devices with Australian telephone plugs to be connected to New Zealand line sockets.

Austel Permit # C89/01A/0301

**[BULK]**

Cat #	Length
W2391	2 Metre

Turn to our  
reference section  
on page 30  
for information  
on plug, jack &  
cable types,  
approvals, permits,  
compliances,  
product packaging  
& carton quantities.

# British Telecom/ New Zealand Accessories

## Line Plug BT/NZ



Types 431A & 631A line plugs as used by British Telecom, New Zealand and Hong Kong. BABT approved, white in color.

Austel CCL # RA89/130

**[BULK 25/500]**

Cat #	Type	BT Type
P3000	6P4C	431A
P3001	6P6C	631A

## Wall Socket BT/NZ



Standard BT/NZ telephone line wall socket. Up to 6 conductors can be connected using screw terminals. Master version also available which contains line termination circuit and lightning arrester. Spring-loaded socket cover prevents intrusion of dust and moisture. White in color.

Austel Permit # C89/83i/0297

**[BULK 300]**

Cat #	Type	BT Type
P3030	6P6C	Slave
P3032	6P6C	Master

## Coupler BT/NZ



Enables two cords fitted with BT/NZ telephone line plugs to be coupled together. Can also be used as a gender changer. White in color.

Austel Permit # C89/01A/0258

**[BULK 50/500]**

Cat #	Type
P3020	6P6C

## Handset Plug BT/NZ (Reverse Latch)



Type 430A & 630A handset plugs with reverse latch as used by British Telecom, New Zealand and Hong Kong. Connects coiled handset cords or headsets to some British or NZ designed devices. BABT approved, white in color.

Austel CCL # RA89/130

**[BULK 25/500]**

Cat #	Type	BT Type
P2999	6P4C	430A
P2998	6P6C	630A

## Double Adaptor BT/NZ



Converts one BT/NZ telephone socket into two, enabling two devices to be connected to one BT/NZ telephone line socket. White in color.

Austel Permit # C89/01A/0254

**[BULK 50/500]**

Cat #	Type
P3010	6P6C

## Adaptor BT/NZ to U.S. RJ11



Adapts a BT/NZ wall socket to a U.S. 6 position RJ11 modular line socket.

**[BULK 50/500]**

Cat #	Type
P3014	6P6C

# Cord

## Flat Line Cord



General purpose 26AWG telephone line cord suitable for termination to U.S. modular plugs. 7/0.16mm stranded copper conductors UL type 20251. Cord with tinsel conductors also stocked. Available in various colors and reel sizes.

Austel CCL # A95/CC/0036

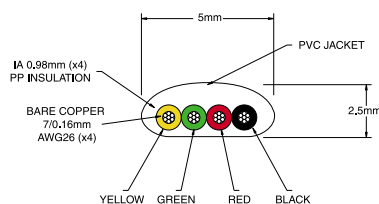
## 4 Conductor



Austel CCL # A95/CC/0036

[REEL 100/500]

Cat #	Color	Reel Size
Y9200	Ivory	500 Metre
Y9205	Ash	500 Metre
Y9210	Black	500 Metre
Y9235	White	8500 Metre
Y9262	Mid Grey	500 Metre
Y9270	Light Grey	500 Metre
Y9201	Ivory	100 Metre
Y9206	Ash	100 Metre
Y9211	Black	100 Metre



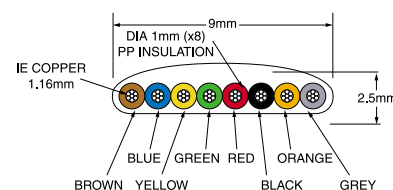
## 8 Conductor



Austel CCL # A95/CC/0036

[REEL 100/500]

Cat #	Color	Reel Size
Y9400	Ivory	500 Metre
Y9405	Ash	500 Metre
Y9410	Black	500 Metre
Y9401	Ivory	100 Metre
Y9406	Ash	100 Metre
Y9411	Black	100 Metre



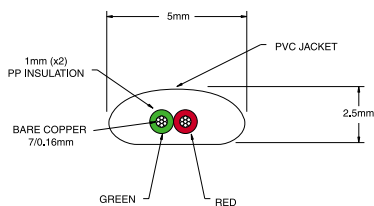
## 2 Conductor



Austel CCL # A95/CC/0036

[REEL 500] [ROLL 1000]

Cat #	Color	Reel Size
Y9100	Ivory	500 Metre
Y9105	Ash	500 Metre
Y9110	Black	500 Metre



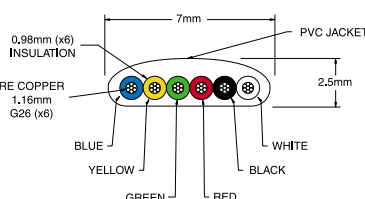
## 6 Conductor



Austel CCL # A95/CC/0036

[REEL 100/500]

Cat #	Color	Reel Size
Y9300	Ivory	500 Metre
Y9205	Ash	500 Metre
Y9310	Black	500 Metre
Y9301	Ivory	100 Metre
Y9306	Ash	100 Metre
Y9311	Black	100 Metre



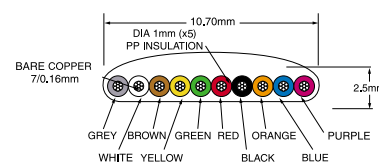
## 10 Conductor



Austel CCL # A95/CC/0036

[REEL 200] [ROLL 200]

Cat #	Color	Reel Size
Y9505	Ash	200 Metre
Y9510	Black	200 Metre



## Pull Box



## 8 Conductor Braided/Shielded



**new**

8 conductor, UL2024 20AWG Braided with foil shield with black jacket. Stranded conductors with black jacket.

[ROLL 150]

Cat#	Reel Size
Y8140	150 metre

## 5 Conductor Shielded

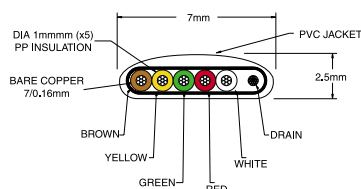


5 conductor shielded flat cord with drain wire. The 5 conductors are 26AWG PP insulated 12/0.12mm tinned stranded copper. Drain wire is copper foil wrapped 24AWG 9/0.12mm. Shield is aluminium/polyester tape.

Austel CCL# A95/CC/0037

[REEL 200]

Cat #	Color	Reel Size
Y9010	Ash	200 Metre



## Category 5 Patch Cord with Stranded Conductors



Category 5 cord suitable for assembly of patch cords. 4 twisted pairs 24AWG with 7/0.21 stranded conductors. UL verified and CSA listed.

Austel CCL # A95/CC/0035

[ROLL 100] [PULL 305]

Cat 5 (Standard)		Cat 5e (Enhanced)	
Cat #	Reel/Box Size	Cat #	Reel/Box Size
Y8200	305 Metre	Y8100	305 Metre
Y8201	100 Metre	Y8101	100 Metre

Colors: BLU, ASH, YEL, RED, BLK, GRN

Colors: BLU, ASH, YEL, RED, BLK, GRN

**new**

## Category 5 LAN Cable with Solid Conductors



For installation of Category 5 networks. 4 twisted pairs with solid copper conductors. Suitable for IDC terminations. UL verified and CSA listed.

ACA Supplier Code N692

[ROLL 100] [PULL 305]

Cat 5 (Standard)		Cat 5e (Enhanced)	
Cat #	Reel/Box Size	Cat #	Reel/Box Size
Y8300	305 Metre	Y8400	305 Metre
Y8301	100 Metre	Y8401	100 Metre

Colors: BLU, ASH, YEL, RED, BLK, GRN

Colors: BLU, ASH, YEL, RED, BLK, GRN

**new**

## 2 Pair STP Braided



Special purpose AWM style 2919 UL listed, 2-pair shielded and braided computer cable. Stranded tinned copper conductors.

[REEL 300]

Cat #	Color	Reel/Box Size
Y8132	Ash	300 Metre

## Round Line Cord



6 conductor round general purpose line cord with 5.0mm jacket diameter. Available with tinsel or stranded conductors.

[REEL 300]

Cat #	Conductors	Color	Reel Size
Y9340	6 Tinsel	Ash	300 Metre
Y9350	6 Stranded	Black	300 Metre

# Tools & Test Equipment

## Linesman's Test Phone



Test telephone with last number redial, tone/pulse dialling, mute and polarity check. Robust PVC case with belt clip. Measures 258(L) x 77(W) x 55(H)mm and weighs 630g.

Austel Permit # A93/69/0162

**[BOX 1/8]**

**Cat #**  
T0110

## Modular Cable Tester



Portable modular cord tester which checks for continuity and incorrect wiring. Dual color LED's illuminate green to indicate straight-thru wiring or red to indicate cross-over wiring. 2 models available, 6 position RJ11/RJ12 (3-pair) and 8 position RJ45 (4-pair). 9V alkaline battery required. Supplied with a zipped vinyl pouch.

**[BULK]**

Cat #	Type
T0046	3 Pair
T0048	4 Pair

## Professional 3-In-1 Modular Tool



Precision steel hand tool for the professional. Three individual dies allow accurate termination of 4, 6 and 8 position U.S. modular plugs. 6 position die also has adjustment to accept MMP plugs. Jaw design distributes equal pressure to all contacts simultaneously. Ratchet operation ensures excellent insulation penetration and cord strain relief.

**[BOX 1] [BULK 12]**

Cat #	Type
T0019	4P/6P/8P

## Test Cord Krone Type 6P2C



**new**

Test cord fitted with Krone type plug and 6P2C U.S. modular plug. For connection of test butts or other equipment to Krone MDF or IDF. 100mm long black cord.

**Cat #**  
T0108

## F-Set Tone Probe Kit



**new**

Tone generator and amplifier probe kit (F-Set) for cable tracing and identification of premises wiring. Tone generator is fitted with alligator clips and modular plug. Has internal switch for modulated or unmodulated tone and external tone/continuity-test/off switch. Probe has built-in speaker, volume control and headset socket. Supplied in black velcro canvas pouch. 9V batteries for generator and probe are included.

**Cat #**  
T0115

## Professional 2-in-1 Modular Tool



**new**

Precision steel hand tool for the professional. Two individual dies allow accurate termination of 6 and 8 position U.S. modular plugs. Jaw design distributes equal pressure to all contacts simultaneously. Ratchet operation ensures excellent penetration and cord strain relief.

Cat #	Type
T0017	6P/8P

## Cat5 Test Set



**new**

LAN cable tester with LCD to identify and display exact pin-to-pin wiring configuration. Remote included for near-end/far-end testing of installed network cables on site. Supplied in a black zipped vinyl pouch. Requires 9V battery (not included).

**Cat #**  
T0045

## Economy 3-In-1 Modular Tool



Three individual dies allow termination of 4, 6 and 8 position U.S. modular plugs. Handle incorporates cutter and stripper.

**[BULK 17]**

Cat #	Type
T0018	4P/6P/8P

# Tools & Test Equipment

## Metal Modular Tools



These quality steel hand tools are ideal for in-field attachment of U.S. modular plugs. Excellent insulation penetration and strain relief is achieved. Cord cutting blade is incorporated. BT version also available to fit NZ/UK plugs with either left or right handed latch.

[BULK 10/50] [BLST 10/50]

Cat #	Type
T0023	4P
T0022	6P
T0026	6P MMP
T0028	8P
T0029	10P
T0030	6P BT/NZ

## Cutter/Stripper



Designed specifically for flat modular cord, this durable cutter/stripper has wide adjustable jaws for accurate and even stripping of PVC jacket. Separate cord cutting jaw is also incorporated.

[BULK10/100]

Cat #  
T0032

## H1130 Crimp Tool



This quality metal crimping tool is designed for accurate connection of H1130 insulation piercing quick connect crimps which are used for connection of insulated line cord conductors to telephone plug types 603, 604, 605, 606 and 615. A handle operated cord cutter is incorporated.

[BLST 10/100]

Cat #  
T0035

## Economy Modular Tool



Light duty 4 and 6 position tools for connection of modular plugs, perfect for occasional use. Built-in blade accurately strips PVC jacket of modular cord to the correct length.

[BLST 10/50]

Cat #	Type
T0021	4P
T0020	6P

## IDC Impact Tools



Quality impact tool with adjustable tension for impact mechanism. Versions available for termination of 110 or Krone type IDC systems. Reversible blade allows for terminate only or terminate/cut operations. Compartment in body for storage of spare or alternative type blades. Spare blades are also stocked.

[BULK] [BLST10/100]

Cat #	Type
T0050	Impact tool for Krone type terminals
T0055	Impact tool for 110 type terminals
T0051	Spare blade for Krone terminals
T0056	Spare blade for 110 terminals

## Krone Type Tool



Quality impact tool for reliable IDC connections to Krone type terminals. Blade performs simultaneous cut and terminate operations. Fitted with handy fold-out hook and screwdriver accessories. Supplied with soft plastic belt holster. Not suitable for 110 type IDC terminals.

[BOX]

Cat #  
T0058

## Keystone Safety Impact Chassis



This safety chassis is for safe and speedy termination of our Keystone jacks when using an IDC impact tool.

[BULK 1/10]

Cat #  
T0060

## Gel Connector Crimp Tool



Custom made precision crimp tool for 100% reliable crimping of our gel connectors or Scotchlock connectors.

Cat #  
T0037

## Cat 5 Cable Stripper



Economy stripper tool. Specifically designed to strip jacket from Category 5 UTP cable.

Cat #  
T0033

# U.S. Modular Wall Sockets

## Surface Mount



Compact surface mount voice grade U.S. modular socket. Recessed screws allow fast and easy fixing to almost any surface. Wires are connected by screw terminals. Beige color suits most environments.

Dimensions 44(W) x 44(H) x 25(D) mm

Austel Permit # C89/83i/0267

[BULK 500]

Cat #	Type
P1410	6P4C
P1411	6P6C

## Side Entry Surface Mount



Side entry surface mount voice grade U.S. modular socket. Snap-on cover provides access to screw terminals for connection of wires. Double sided tape included for easy installation. Beige color suits most environments.

Dimensions 50(W) x 57(H) x 20(D) mm

Austel Permit # C89/83i/0257

[BULK 500] [POLY 10]

Cat #	Type
P1420	6P4C
P1430	6P6C
P1440	8P8C
P1441	1010C

## RJ45 Surface Mount 110 Socket



Side entry surface mount voice grade 8 position U.S. modular socket. Connections are made with a standard 110 tool or by using the self-termination caps provided. Double sided tape included for easy installation. Dimensions 66(W) x 75(H) x 30(D) mm

Austel Permit # A93/83i/0109

[BULK 100]

Cat #	Type
P1442	8P8C

## Skirting Mount Side Entry



Half sized surface mount voice grade modular socket designed to be fixed to skirting boards or architraves. Snap-on cover provides access to screw terminals for connection of wires. Double sided tape included for easy installation. Beige color suits most environments.

Dimensions 31(W) x 50(H) x 20(D) mm

Austel Permit # C89/83i/0257

[BULK 1000] [POLY 10]

Cat #	Type
P1450	6P4C
P1455	6P6C

## Duplex Side Entry Surface Mount



Duplex side entry surface mount voice grade U.S. modular socket. Snap-on cover provides access to screw terminals for connection of wires. Double sided tape included for easy installation. Beige color suits most environments.

Dimensions 42(W) x 58(H) x 24(D) mm

Austel Permit # C89/83i/0257

[BULK 500] [POLY 10]

Cat #	Type
P1422	6P4C

## Duplex RJ45 Surface Mount 110 Socket



Duplex side entry surface mount voice grade 8 position U.S. modular sockets. Connections are made with a standard 110 tool or by using the self-termination caps provided. Double sided tape included for easy installation. Dimensions 66(W) x 88(H) x 30(D) mm

Austel Permit # A93/83i/0109

[BULK 100]

Cat #	Type
P1444	8P8C

## Flush Wall Plate



Beige colored voice grade modular wall plate fits standard Australian electrical switch plate installation hardware, making it perfect for easy flush installation on Gyprock or fibro cavity walls.

Dimensions 70(W) x 114(H) x 5(D) mm.

Austel Permit # C89/83i/0295

[BULK 250] [POLY 10]

Cat #	Type
P1408	6P4C
P1409	6P6C
P1406	8P8C

## Duplex Flush Wall Plate



Duplex modular voice grade socket fits standard Australian electrical switch plate installation hardware, making it perfect for easy flush installation on Gyprock or fibro cavity walls.

Dimensions 70(W) x 114(H) x 5(D) mm

Austel Permit # C89/83i/0295

[BULK 250] [POLY 10]

Cat #	Type
P1407	6P4C

# Computer Cords and Accessories

## Wall Phone Bracket



Wall phone bracket designed to allow easy installation of telephones which have standard U.S. modular wall mountings. The line is connected from bracket to phone by a 30mm modular cord. Bracket has two studs onto which the phone slides. Fits standard Australian electrical switch plate installation hardware. Off-white Color to match Telstra T200/400 telephones. Dimensions 76(W)x119(H)x9(D) mm

Austel Permit # C89/83I/0295

[BULK 200] [POLY 10]

Cat #	Type
P1415	6P4C

## Wall Phone Bracket with Side Entry Sockets



Wall phone bracket designed to allow easy installation of telephones which have standard U.S. modular wall mountings. Additional sockets are provided on each side which allows connection of two extra devices when a phone is fitted to the bracket. The line is connected from bracket to phone by a 30mm modular cord. Bracket has two studs onto which the phone slides. Fits standard Australian electrical switch plate installation hardware. Dimensions 76(W) x 119(H) x 18(D) mm

Austel Permit # C89/83I/0295

[BULK 200]

Cat #	Type
P1418	6P4C

## HD26 Cords



High quality UL and CSA listed HD26 computer cords with fully moulded plugs and thumb screws. Our standard W6585 is fitted HD26M connectors on each end. We specialise in custom made cords to suit your specifications with any combination of Male or Female HD or DB connectors using any color, length or wiring configuration.

[BULK]

Cat #	Type	Color	Length
W6585	HD26M to HD26M	Black	1.8 Metre

## DB Cords



High quality UL and CSA listed DB25 computer cords with fully moulded plugs and thumb screws. Our standard W6580 is fitted DB25M connectors on each end. We specialise in custom made cords to suit your specifications with any combination of Male or Female DB9, DB15 or DB25 connectors using any color, length or wiring configuration.

[BULK]

Cat #	Type	Color	Length
W6580	DB25M to DB25M	Black	3 Metre

## DB Ribbon Cords



new

Flat ribbon cable fitted with right angle IDC DB connectors. We specialise in custom made cords to suit your specifications with any combination of Male or Female DB9, DB15 or DB25 connectors made to any length.

[BULK]

Cat #	Type	Color	Length
H2137	DB9M to DB9F	Grey	1200mm

## Modular/DB Adaptor



Adapts male or female DB9, DB15 or DB25 computer plugs to 8 position RJ45 or 6 position RJ11 U.S. modular socket. Back shell is pre-wired to U.S. modular socket ready to insert pins into desired positions of the DB connector.

Austel Permit # A95/83H/0082

[BULK 100/500]

Cat #	DB Size	DB Gender	Type
P0809	DB9	Female	8P8C
P0810	DB9	Male	8P8C
P0815	DB15	Female	8P8C
P0816	DB15	Male	8P8C
P0825	DB25	Female	8P8C
P0826	DB25	Male	8P8C
P0805	DB9	Female	6P6C
P0806	DB9	Male	6P6C
P0820	DB25	Female	6P6C
P0821	DB25	Male	6P6C

# Category 5 Products

## 110/Krone Type Cat5 Patch Panels

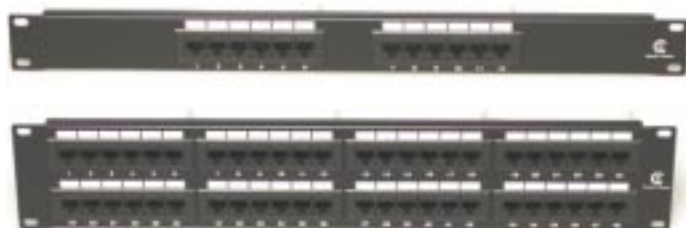


Patch Panels are used for high speed LAN's. The transmission characteristics meet the requirements of TIA/EIA 568A Category 5 and Category 5e (enhanced) specification. These panels utilise PCB technology to balance signal transmission and provide low insertion loss, return loss and crosstalk from 1 to 125Mhz. The new version 110D terminal block can be used with both Krone and 110 impact tools and has combined 568A & T568B color coding for easy installation.

ACA Supplier Code N692

**[BOX]**

Cat #	Ports	Cat5 Type
P4012	12	Standard
P4013	12	Enhanced
P4024	24	Standard
P4025	24	Enhanced
P4048	48	Standard
P4049	48	Enhanced



## 110 Keystone Jacks



Suitable for use with our keystone patch panels, keystone wall plates & keystone surface boxes. Can also be fitted to Australian HPM and Clipsal plates by using an adaptor. For termination with 110 or Krone impact tool and has combined 568A & T568B color coding for easy installation. An impact safety chassis is also available for safe and speedy termination.

ACA Supplier Code N692

**[BULK 50]**

Cat #	Color	Cable Tie
P4511	White	With
P4510	White	Without
P4516	Black	With

## Cable Management Unit



**new**

Horizontal 1RU cable management panel. Suits all standard 19" racks. Black color.

Cat #	Size
P4221	1RU

## Cage Nut Sets



**new**

Fully assembled set, complete with black screw, black plastic washer and clip-in cage nut. Suitable for bolting patch panels or other rack mounted equipment to standard 19-inch rack units or cabinets.

**[BULK 100]**

Cat #
P4230

## Pay TV F-Connector



**new**

Coaxial threaded F-connector as used by Austar, Foxtel and Optus for Cable-TV or Sat-TV connections. Fits all standard Keystone flush plates and surface boxes.

Cat #
P4522

## Flush Plate Adaptors



**new**

Adaptor bezels to fit Keystone jacks into Australian Clipsal or HPM brand flush plates. Standard color is White.

Cat #	Suits Plates
P4590	Clipsal
P4592	HPM

# Category 5 Products

## Keystone Flush Plates



Flush type plates to accept our standard Keystone 110 jacks. Fits standard Australian electrical switch plate installation hardware and screw centres, making it perfect for easy flush installation on Gyprock or fibro cavity walls. Supplied unloaded without Keystone jacks. Dimensions 70(W) x 114(H) x 6(D) mm  
ACA Supplier Code N692

### [BULK 50]

Cat #	Ports	Color
P4301	Single	White
P4302	Double	White
P4303	Triple	White
P4304	Quad	White
P4306	Six	White

## Category 5 Patch Cords



4 twisted pairs UL verified, CSA approved, 568A color coding. Available with molded plug boots. Standard jacket colors are Blue or Ash and a range of other colors are also available (see table below).

Austel permit # A95/83H/0311

### [BULK 100] [POLY]

#### Cat 5 (Standard)

Cat #	Length
W2550	0.5 Metre
W2551	1 Metre
W2548	1.5 Metre
W2552	2 Metre
W2553	3 Metre
W2555	5 Metre
W2560	10 Metre
W2565	15 Metre
W2570	20 Metre
W2575	30 Metre

Colors: BLU, ASH, YEL  
RED, BLK, GRN, WHI

#### Cat 5e (Enhanced)

Cat #	Length
W2650	0.5 Metre
W2651	1 Metre
W2648	1.5 Metre
W2652	2 Metre
W2653	3 Metre
W2655	5 Metre
W2660	10 Metre
W2665	15 Metre
W2670	20 Metre
W2675	30 Metre

Colors: BLU, ASH, YEL, RED

## RJ45 Boots



PVC boots for 8 position RJ45 U.S. modular plugs to suit 6mm diameter Category 5 cord. Ideal for providing extra strain relief and easy color coding of Category 5 patch cords.

### [BULK 500]

Cat #	Color
P7851	Blue
P7852	Ash
P7853	White
P7854	Red
P7855	Yellow
P7856	Green
P7857	Black

## Category 5 Cross-over Cords



Category 5E cross-over cords. Wiring is 568A to 568B which is used to daisy-chain hubs or direct connection of 2 computer network interface cards. Different colored fully moulded boots to minimise chance of confusion with straight-thru cords.

#### Cat 5 (Standard)

Cat #	Length
W2582	2 Metre
W2585	5 Metre
W2590	10 Metre

Color: BLK

#### Cat 5e (Enhanced)

Cat #	Length
W2682	2 Metre
W2685	5 Metre
W2690	10 Metre

Colors: RED with BLU boots

## Couplers



Category 5 coupler to link 2 patch cords together. Wiring is 1-1 and color is white.

Cat #
P2325

## Keystone Surface Boxes



Side entry surface mount boxes to accept our standard Keystone 110 jacks. Snap-on cover for easy installation and access to wiring. Single and Duplex versions available. Double sided tape included for easy installation. Supplied unloaded without Keystone jacks  
ACA Supplier Code N692

### [BULK 50]

Cat #	Ports	Color	Dimensions
P4311	Single	White	30(W) x 60(H) x 26(D) mm
P4312	Double	White	55(W) x 60(H) x 26(D) mm

## Wall Brackets



Wall mount bracket for installation of patch panels or other 19-inch rack mounted equipment. Hinge included for easy access to wiring. 150mm deep 2RU or 4RU versions available.

Cat #	Size
P4212	2RU
P4214	4RU

## Cat-5 Splitters



Cat 5 splitters to enable 2 different devices to share the same cable and outlet. Narrow design of our splitter is ideal for patch panels because the two sockets are mounted vertically to avoid blocking neighbouring sockets. Several standard wiring variants are available. Color is white.

Cat #	Wiring #	Type
P2332	2	Voice + Voice
P2334	4	Data + Data
P2335	5	Voice + Voice
P2336	6	Data + Voice

# Installation & Commander Accessories

## Terminal Block TBA-8



Useful 8 terminal connector block. Contains screw terminals for easy connection of up to 8 solid copper telephone conductors. Ivory colored screw-on lid.

**Cat #**  
P8638

## Commander BN Door Station



Genuine Nitsuko door station to suit commander BN series Commander systems. Made in Japan.

**[BOX]**

**Cat #**  
K6000

## Commander Receivers and Transmitters



Genuine replacement handset capsules for N, AN and BN series Commander stations. N series inserts also suit Nitsuko FP-1000 multi feature phones, AN/BN series inserts also suit Nitsuko FP-2000 multi feature telephones.

**[BULK]**

Cat #	Series	TX/RX	Type
Z3000	N	RX	R62
Z3200	AN/BN	TX/RX	DH26

## Gel Connectors



Gel filled, self-stripping, insulated butt connector for 2 or 3 wire solid copper conductors of 19 to 26 AWG having maximum insulation OD of 2.08mm. Contain moisture resistant sealant.

**[BOX 100]**

Cat #	Wires	Cap Color	Type
P8632	2	Yellow	UY2
P8633	3	Red	UR2
T0037	Crimp tool to Suit		

## Commander Handset Cords



Genuine replacement coiled handset cords to suit N, AN, BN, S, T-210 series and Comset Commander stations. N, AN and BN cords are Japan made and also suit Nitsuko FP-1000 or FP-2000 multi feature telephones.

**[BULK 300]**

Cat #	Series
W2950	N
W2940	AN
W2952	BN
W2955	S
W3060	Comset
W2957	T-210

## Commander Hookswitch



Genuine Japan made replacement microswitch for N, AN and BN series commander stations. Also correct replacement hookswitches for Nitsuko FP-1000 and FP-2000 multi feature telephones.

**[BULK 100]**

**Cat #**  
Z1400

## Main/Alternative Changeover Switch



Used to isolate alternate equipment such as an answering machine from the main telephone/s or telephone system. All connections are screw terminals. Supplied complete with mounting block.

**Cat #**  
P8639

## Coiled Cord 4P4C 616 Modular Socket



4P4C case mount U.S. modular sockets. Genuine replacement for BN series coiled handset cord, also used to convert the coiled cord of Commander AN series Commander stations to modular, or for Nitsuko FP-1000 or FP-2000 multi-feature telephones. We also stock modular handset sockets for Comset Commander stations. Our improved version eliminates static problems caused by original Comset modular coiled cord sockets.

**[BULK 50]**

Cat #	Type	Series	Cord	End
P1220	4P4C	616B	AN and BN	Base
P1227	4P4C	616J	Comset	Handset
P1230	4P4C	616W	BN	Handset

## Flush Plate 610/611



Flush plate for 610 or 611 wall sockets. Access, Exicom and other compatible 610 or 611 sockets simply snap-on to this wall plate. Fits standard electrical switch plate installation hardware making it perfect for easy flush installation on Gyprock or fibro cavity walls. Color is Ivory.

**Cat #**  
P8624

# Extension Ringers

## Extension Bell



Plugs directly into telephone line socket and rings loudly when incoming calls are received. Fitted with 10 metre cord and 605 telephone plug. Additional U.S. modular socket also allows in-line connection of telephone. On/off switch allows bell to be disabled when extension bell not required.

Austel Permit # A91/01B/0230.

[BULK]

Cat #  
K3500

## Access Tone Ringer



Robust extension tone ringer with volume, pitch control and on/off switch. Connection to line by screw terminals or modular socket. Unit has built-in speaker or optional 15 watt horn speaker is available for more directional signalling of incoming calls. Screw terminals are provided for connection of the optional horn speaker.

ACA Supplier Code N692.

[BOX]

Cat #	Item
K5507	Ringer
K3505	Horn Speaker

## Horn Speaker



15 watt horn speaker suitable for connection to type A tone ringer or type C loud sounding alarm. Speaker cord has tinned ends ready for direct connection to type A or type C ringers. White color.

[BOX]

Cat #  
K3505

## Extra Loud Bell



Extra loud extension bell with volume control, ideal for use in noisy environments or large sites. Modular sockets are fitted to allow in-line connection. Modular line cord and mounting bracket are included.

Austel Permit # A93/01B/0106

[BOX]

Cat #  
K3501

## Type C Loud Sounding Alarm



240V amplified loud sounding alarm ringer with volume control and on/off switch. Connection of 1 or 2 telephone lines by screw terminals. Requires 15 watt horn speaker which is connected by screw terminals.

Austel Permit # C89/02/0219

[BULK]

Cat #	Item
K3508	Ringer
K3505	Horn Speaker

Turn to our  
reference section  
on page 30  
for information  
on plug, jack &  
cable types,  
approvals, permits  
& compliances  
product packaging  
& carton quantities.

# AC Adaptors

## AC Adaptors

We specialise in custom manufacture of AC Adaptors to your exact specification. Popular voltage/current combinations held in stock. A selection of popular output plug types and sizes are available or custom output plugs can be fitted if required. Output plugs wired for either centre positive or centre negative polarity are available. Our AC Adaptors are unregulated which is suitable for most equipment. Fully regulated adaptors can be custom made. Our entire range of AC Adaptors are Energy Authority approved and all cases and mains plugs meet current dimensional requirements of AS3112. C-tick indicate s compliance with EMI standards.



## Popular AC Adaptors Stocked

This table outlines some of our most popular AC Adaptors. Many more variations are held in stock or Adaptors can be custom made to your exact output voltage and current requirements.

DC Output Types		AC Output Types
5.25V DC 1000mA	12V DC 150mA	9V AC 300mA
6V DC 200mA	12V DC 200mA	9V AC 500mA
6V DC 300mA	12V DC 300mA	9V AC 650mA
6V DC 400mA	12V DC 350mA	9V AC 1000mA
6V DC 800mA	12V DC 500mA	9V AC 1300mA
6V DC 1000mA	12V DC 750mA	10V AC 600mA
7V DC 1500mA	12V DC 1000mA	10V AC 1000mA
7.5V DC 100mA	12V DC 1300mA	12V AC 300mA
7.5V DC 1000mA	13V DC 450mA	12V AC 500mA
9V DC 200mA	13V DC 900mA	12V AC 1000mA
9V DC 300mA	13.8V DC 500mA	13V AC 400mA
9V DC 400mA	15V DC 600mA	13V AC 800mA
9V DC 500mA	16V DC 1000mA	14V AC 450mA
9V DC 600mA	18V DC 220mA	14V AC 600mA
9V DC 1000mA	18V DC 300mA	14.5V AC 1000mA
9V DC 1200mA	24V DC 500mA	16V AC 1000mA
10V DC 200mA	24V DC 650mA	18V AC 1333mA
10V DC 400mA	24V DC 800mA	24V AC 1000mA

## Multi-Voltage Adaptor



2 models available, 300mA and 500mA. Rear mounted slide voltage selector switch prevents accidental changing of voltage whilst the unit is plugged into a wall mains outlet. 7 DC voltage selections: 1.5, 3, 4.5, 6, 7.5, 9 & 12 Volts DC. Compact wall mounted design. Green LED indicator. 180 degree swivel on output cord. \* output plug selection including small EIAJ plug as used on some walkmans, MP3 players, gameboys etc. Output plug center positive or center negative changeable. Internal thermal fuse for electrical safety. ACA C-tick compliance N692.

Packing: Powermaster brand 3-color blister pack.

Energy Approval # N17130

Cat #	Current
T0300	300mA
T0500	500mA

## 28A AC Adaptor



Miniature AC adaptor for very low wattage applications. RCM # N5071

## 35A AC Adaptor



Small AC adaptor with 6.0 watt maximum capacity. AC or DC output voltages from 3V to 30V and current range from 80mA to 800mA. Dim. 43(W) x 58(H) x 38(D) mm

Energy Approval # N14077 [BOX 1/25/50]

## 35B AC Adaptor



Our latest style small AC adaptor. Unique 180 degree swivel mechanism provides excellent strain relief and reduces wear on output cord where it exits the adaptor case. With 6.72 watt max. capacity, AC or DC output volt. from 3V to 30V and current range from 80mA to 800mA. Dimensions 44(W) x 75(H) x 45(D) mm

Energy Approval # N14077 [BOX 1/25/50]

## 48C AC Adaptor (Alarm Panel PSU)



Large ventilated case with 24 watt maximum capacity designed applications such as security systems. Specialised 16V AC 1.5Amp Class I (earthed) version available with ash colored case for security system manufacturers and installers. A selection of models stocked and custom models can be made from 3V to 30V with 300mA to 4Amp current range.

Energy Approval # N17582

## 41A AC Adaptor



Medium sized AC adaptor. 10.8 watt maximum capacity, AC or DC output voltages, regulated or unregulated. From 3V to 30V with 200mA to 2 Amp current range Dim. 48(W) x 58(H) x 41(D) mm

Energy Approval # N14257 [BOX 1/25/50]

## 41B AC adaptor



Our latest style medium sized AC adaptor with 10.9 watt maximum capacity. Features include ventilated case, flush LED indicator and our unique 180 degree swivel mechanism which provides excellent strain relief and reduces wear on output cord where it exits the case.

Energy Approval # N17130

## 48A AC Adaptor



Larger AC adaptor with 24.0 watt maximum capacity, AC or DC output voltages, regulated or unregulated. From 3V to 30V with 300mA to 4 Amp current range. Dimensions 58(W) x 71(H) x 52(D) mm

Energy Approval # N13816 [BOX 1/25/50]

## Mobile Phone Charger for Nokia



Intelligent plug-in charger designed specifically for Nokia models 5110, 6110, 6150 and 7110. Housed in our attractive 35B AC adaptor case with swivel output cord.

# In-Line & Switch Mode Adaptors

## EI 41 In-Line AC Adaptor



In-line medium sized AC adaptor. 4.5 watt maximum capacity, AC or DC output voltages, regulated or unregulated. From 3V to 30V with 200mA to 2 Amp current range. AC input cord fitted with mains plug compliant with dimensional requirements of AS3112.

Dimensions 52(W) x 75(H) x 39(D) mm  
Energy Approval # Q96249 **[BOX 1/10/20]**

## 66A In-line AC Adaptor



In-line AC adaptor with 55.2 watt maximum capacity. Features include ventilated case and LED indicator.

Energy Approval # N16680

Cat #	Output
T1240	12V AC 4Amp
T2420	24V AC 2Amp
T8550	8V AC 5 Amp
T9350	9V DC 3.5 Amp

## 15D Switch Mode PSU



Wall mounted light weight and compact Switch Mode Power Supply Unit with 18.0 watt maximum output capacity. 96V~264V AC wide input voltage range suits travel product applications.

Energy Approval # N16890

Cat #	Output
T0528	5V DC 2.8Amp
T1255	12V DC 1.5Amp
T1512	15V DC 1.2Amp

## 57A In-Line AC Adaptor



In-line AC adaptor has 38.4 watt maximum capacity with AC or DC output voltages, regulated or unregulated from 3V to 30V with 500mA to 5 Amp current range. AC input cord fitted with mains plug compliant with dimensional requirements of AS3112.

Dimensions 67(W) x 88(H) x 58(D) mm  
Energy Approval # N13285 **[BOX 1/10/20]**

## 66L In-Line Regulated AC Adaptor



In-line regulated AC adaptor with 24 watt capacity. Features include ventilated case and flush LED indicator.

Energy Approval # N116680

Cat #	Output
T1222	12V DC 2 Amp

## 15K Switch Mode PSU



In-line, light weight and compact Switch Mode Power Supply Unit with 15.0 watt maximum output capacity. 96V~264V AC wide input voltage range suits travel product applications. Standard IEC-C14 inlet allows correct IEC-C13 power cord to be selected for each country. IEC power cord not included.

Energy Approval # N16445

Cat #	Output
T0525	5V DC 2.5Amp
T1225	12V DC 1.25Amp

## 57B AC Adaptor (Alarm Panel PSU)



Large ventilated case designed for high duty cycle applications such as security systems. Specialised 16V AC 1.5 Amp Class I (earthed) version available with ash colored case for security system manufacturers and installers. 31.2 watt maximum capacity, AC or DC output voltages, regulated or unregulated from 3V to 30V with 300mA to 4 Amp current range. We specialise in custom manufacture to your exact specification and popular voltage/current combinations are stocked. Case meets current dimensional requirements of AS3112.

Dimensions 57(W) x 90(H) x 55(D) mm  
Energy Approval # N14717. **[BOX 1/10/20]**

## 66R In-line Regulated AC Adaptor



In-line regulated AC adaptor with 24 watt maximum capacity. Features include ventilated case and LED indicator.

Energy Approval # N16680

Cat #	Output
T2410	24V DC 1 Amp

## 55F Switch Mode PSU



In-line Switch Mode Power Supply Unit with 55.0 watt maximum output capacity. 96V~264V AC wide input voltage range suits travel product applications. Standard 3-core IEC-C14 inlet is fitted to Class I (earthed) model allowing correct IEC-C13 power cord to be selected for each country. Standard 2-core IEC-C8 inlet is fitted to Class II (double insulated) model allowing correct IEC-C7 (figure-8) power cord to be selected for each country. IEC power cord not included.

Energy Approval # N16444

Cat #	Output
T1238	12V DC 3.8Amp
T2454	24V DC 2.3Amp

# Power

## IEC Power Cord



As used on most computers and office equipment. Standard length is 2 metres. Fitted with IEC C13 connector and Australian 3-pin mains plug to meet current dimensional requirements of AS3112.

[BULK 100]

Energy Approval Numbers

Plug	Flex	Connector
N16895	N16896	N16898
N16276	N16277	N16278

Cat #	Length	Color
K3750	2 Metre	Black
K3751	2 Metre	Ash
K3752	2.5 Metre	Grey
K3753	2 Metre	Dark Grey
K3754	2 Metre	Light Grey
K3758	3 Metre	Light Grey
K3749	2 Metre	Mid Grey
K3748	1 Metre	Black

## IEC Extension Cord (PC Monitor Cord)



10 Amp AC power cord used mainly to power monitors from the PC's IEC output. Standard length is 2 metres. Fitted with male IEC C14 and female IEC C13 connectors.

[BULK 100]

Energy Approval Numbers

Plug	Flex	Connector
N17350	N16896	N16898

Cat #	Length	Color
K3759	2 Metre	Black
K3760	2 Metre	Ash

## IEC Power Cord with Right Angle Plug



10 Amp AC power cord as used on most computers and office equipment. Standard length is 2 metres. Fitted with right angle IEC C13 connector and Australian 3-pin mains plug to meet current dimensional requirements of AS3112.

[BULK 100]

Energy Approval Numbers

Plug	Flex	Connector
N16276	N16277	N16279

Cat #	Length	Color
K3755	2 Metre	Black

## Appliance Power Cord



2-core light duty power cord as used on some small appliances. Standard length is 1.8 metres. Fitted with C7 connector and Australian 2-pin mains plug to meet current dimensional requirements of AS3112.

[BULK 125]

Energy Approval Numbers

Plug	Flex	Connector
N16280	N16281	N14363

Cat #	Length	Color
K3762	1.8 Metre	Black

## IEC C5 Appliance Cord



3-core light duty power cord as used on some compact Switch Mode Power Supplies and small appliances. Standard length is 2 metres. Fitted with C5 connector and Australian 3-pin mains plug to meet current dimensional requirements of AS/NZS3112.

Cat #	Length	Color
K3745	2 Metre	Black

## High Temp IEC Appliance Cord



10 Amp AC hot appliance cord with elastomer flex as required many kitchen appliances. Standard length is 1 metre. Fitted with hot type notched IEC C15 connector and Australian 3-pin mains plug which meets current dimensional requirements of AS3112.

[BULK 100]

Energy Approval Numbers

Plug	Flex	Connector
N15440	Q93123	N15740

Cat #	Length	Color
K3741	1 Metre	Black

## Australian 3-Core Mains Flex



0.75mm<sup>2</sup> or 1.0mm<sup>2</sup> ordinary duty 3-core mains flex. Custom lengths, colors, striping lengths and terminals available.

[BULK]

Energy Approval Number **Flex** N16896

## Australian 2-Core Mains Flex



0.75mm<sup>2</sup> light duty 2-core mains flex. Custom lengths, colors, striping lengths and terminals available.

[BULK]

Energy Approval Number **Flex** N16896

# Power

## U.S. IEC Power Cord



For 110V use. AC power cord as used on most U.S.A. computers and office equipment. Standard length is 1.8 metres. Fitted with IEC connector and 110V U.S.A. 3-pin mains plug.

**[BULK 100]**

Cat #	Length	Color
K3764	1.8 Metre	Black
K3765	3 Metre	Grey

## Mains Socket IEC Cord



10 Amp 3-core power cord fitted with standard Australian mains socket and an IEC-C14 connector. Suitable for connection of a device fitted with a standard mains plug to an IEC-C13 connector on a PC.

Energy Approval Numbers  
**Socket** **Flex** **Connector**  
 N16897 N16896 N17350

Cat #	Length	Color
K3791	150mm	Black
K3792	1500mm	Black

## Mains Cord



2-core or 3-core flex fitted with standard Australian mains plug. Custom lengths, colors, stripping and tinning or terminals are available. Suitable for any hard-wired electrical appliances or light fittings. Standard length is 2 metres. Mains plug meets current dimensional requirements of AS/NZS3112.

Energy Approval Numbers

**Plug** **Flex**  
 N16895 N16896

Cat #	Length	Conductors	End	Color
K3780	2 Metre	3	Stripped	Black
K3783	3 Metre	3	Cut	Black

## IEC Mains Y Cord



10 Amp 3-core power cord fitted with standard Australian mains plug and two IEC-C13 connectors. Suitable for supply of power to both a PC and Monitor from a single power outlet.

Energy Approval Numbers  
**Plug** **Flex** **Connector**  
 N16276 N16277 N16278

Cat #	Length	Color
K3774	2 Metre	Black

## IEC Monitor Y Cord



10 Amp 3-core power cord fitted with one IEC-C14 connector and two IEC-C13 connectors. Suitable for supply of power to two monitors or other devices fitted with C14 connectors from a single IEC-C13 power connector.

Energy Approval Numbers  
**Plug** **Flex** **Connector**  
 N13668 N16277 N16278

Cat #	Length	Color
K3778	Metre	Black

## Extension Cord



Standard Australian 10 Amp power extension cord. 3-pin mains plug to 3-pin recessed mains socket. Plug and socket meet current dimensional requirements of AS/NZS3112. Standard color is white.

Energy Approval Numbers  
**Plug** **Flex** **Socket**  
 N16895 N16896 N16897

Cat #	Length	Color
K4002	2 Metre	White
K4003	3 Metre	White
K4005	5 Metre	White
K4010	10 Metre	White

## 4 Outlet Power Board



Allows 4 mains powered appliances to be used at once from a single power outlet. Includes overload circuit breaker with reset switch. Maximum load is 2400 watts. Supplied with 1 metre cord. White color.

Energy Authority Approved

**Cat #**  
 K4104

# Power Components

## Ni-Cad Batteries



High Quality Powermaster, nickel cadmium (Ni-Cad) rechargeable battery cell packs suit Callmaster, and other popular cordless telephones. Various connector types are stocked. Special pack also available to suit PhoneMate, 6900 telephone answering machines.

[BULK]

Cat #	Type
K2955	PhoneMate 6900

## BTD-1 Busy Tone Detect Hybrid IC



Thick film hybrid integrated circuit, detects Australian busy tone signals and is designed for use in telephone answering machines and other telecommunications products developed for the Australian telephone network.

[BULK 50]

Cat #
Z1200

## Sealed Lead Acid Battery 12V 7AH



Standard 12 Volt, 7 Amp-hour Sealed Lead Acid Battery (SLAB) for security and telephone system backup and UPS applications.

Cat #
K3012

## Phono Cords



Standard 3.5mm phono cords as used audio lines and other low voltage applications. Our W4010 is fitted with a 3.5mm stereo phono plug at one end, the other end is stripped and tinned. Other types can be custom made to any length using either stereo or mono plugs or stripped ends.

[BULK 100]

Cat #	Type	Color	Length
W4010	Stereo to stripped	Black	600mm

## Mini IEC Output Cords



3-core round output cord fitted with miniature 3-pin connector. Used by selected devices including EFTPOS terminals.

Cat #	Length
K3728	1800mm
K3729	4200mm

## DC Output Cords



[BULK 10/300]

Cat #	Plug Type	Length
K3733	5.5 x 2.1mm	3 Metre
K3735	5.5 x 2.5mm	3 Metre

## PCB DC Sockets



[BULK 100]

Cat #	Socket Type
K3721	5.5 x 2.1mm
K3725	5.5 x 2.5mm
K3719	Mini IEC

## Standard Output Plug Types



Quality retro-fit DC output plugs for use with AC Adaptors. Soft PVC backshell with flexible cord entry for improved strain relief. These output plug variants are available moulded to output cords when ordering from our stock range of AC adaptors.

[BULK 50]

Cat #	Plug Type
K3710 (A)	3.5 OD x 1.3 ID mm DC Plug
K3712 (B)	5.5 OD x 2.1 ID mm DC Plug
K3714 (C)	5.5 OD x 2.5 ID mm DC Plug
K3672 (D)	2.5mm Mono Phono
K3674 (E)	3.5mm Mono Phono
K3683 (F)	3 Pin Mini-Din
K3695 (G)	5 Pin Din

## Battery Backup Box



Metal cabinet for housing of 2 x 12Volt 7AH Sealed Lead Acid Batteries. Screw slots on back allow easy wall installation and inside shelf is fitted for secure stacking of 2 batteries. Applications include battery backup for telephone systems or alarm panels.

Cat #
K2822

# Telephone Accessories

## Message Waiting Lights



Small red bezel with 120V AC neon suitable for installation of Message Wait Light or Visual Ring Indicator to any telephone. Bezel Diameter is 7.75mm and requires a 7.00mm hole for installation.

**[BULK 100]**

**Cat #**  
K3800

## Line Isolation Units for Music On Hold



Compact LIU allows any audio device having an earphone or audio out socket to be connected to a key telephone system (mode 14 socket required) to provide music to calls that are placed on hold.

Austel Permit # A95/11/0162

**[BULK]**

Cat #	Source	System
K2400	Phono	605
K2402	Phono	Phono
K2404	RCA	RCA
K2406	Phono	RCA

## DTMF Encoders



SD-208 encoder is engineered to high quality standards ensuring accurate DTMF frequency reproduction. On/off switch protects batteries from discharging should buttons be accidentally pushed during storage. Standard color is black. Batteries are included.

Austel Permit # A93/06/0396

**[BOX]**

**Cat #**  
K3310

## Telephone Recorder Box



Allows telephone conversations to be automatically recorded. Connects to the telephone line via a 6P2C modular plug and has a 3.5mm mono phono-plug for connection to a tape recorder's mic or aux-in socket and a 2.5mm mono phono-plug for connection to the tape recorder's remote switch socket to control start/stop recording. Note: This product does not have an A-tick and recording of telephone conversations without the knowledge of all parties may be illegal.

**Cat #**  
K2700

## Answering Machine Cassettes



Standard size endless loop Outgoing Message (OGM) and leaderless Incoming Message (ICM) cassettes for compatible telephone answering machines. Quality Callmaster brand.

**[BULK 60] [BLST 240]**

Cat #	Type
K2410	OGM 10 second
K2415	OGM 15 second
K2420	OGM 20 second
K2430	OGM 30 second
K2445	OGM 45 second
K2460	OGM 60 second
K2595	OGM 120 second
K2495	ICM 60 minute

## Micro Cassettes MC-60



High quality Callmaster MC-60 micro cassette. Suitable for telephone answering machines and dictating equipment.

**[BULK 5/100]**

**Cat #**  
K2780

## Communications Headsets



Quality communication headsets with flexible microphone boom and adjustable earpieces. Cord is fitted with standard 3.5mm phono plugs.

**[BOX]**

Cat #	Type
K5060	Dual Earpiece
K5070	Single Earpiece

## Nursecall Pressure Pad



Nursecall pressure pad for hospital & aged care services. Plug type and wiring can be custom made to suit host equipment. Standard color is grey.

**[POLY]**

Cat #	Plug
K3820	6.5mm Stereo Phono

## Nursecall Pendant



Nursecall button with soft PVC pendant for hospital & aged care services. Plug type and wiring can be custom made to suit host equipment. Standard color is white.

Cat #	Plug
K3805	8P8C
K3810	6.5mm Stereo Phono

# Telephone Products

## Featurefone 8



Reliable and functional telephone for business or residential use:

10 single touch memories • 30 abbreviated memories • tone/pulse switchable dialling • hookflash/earth switchable • easycall compatible • PABX pause • adjustable ringer volume and pitch • modular handset and line cords.

Austel Permit # C87/33/0292

[BOX 1/6]

Cat #	Color
B1610	Mauve
B1615	Red

## PhoneMate 6900 Answering Machine



Quality telephone answering machine

- easy one touch operation
- call screening
- full DTMF remote
- auto turn-on
- toll saver
- digital outgoing message
- standard size incoming message tape
- forward/back message search
- one-touch erase/save
- power failure protection
- DTMF remote pad supplied.

Austel permit # C89/16A/0043

[BOX 1/4]

Cat #
A3990

## Thinfone



Compact and reliable wall or desk telephone for business or residential use.

Dial pad can be removed for use as a courtesy or emergency phone. • Proven reliability in the hotel industry • suitable for desk use or wall mounting • 10 number memory • last number redial • tone/pulse switchable dialling • easycall compatible • illuminated dial pad • modular handset and line cords • optional message waiting light • optional blank dial pad.

Austel Permit # A92/30H/0098

[BOX 1/12]

Cat #	Color
F1490	Ash
F1500	White
F1570	Black
F1530	Red

## Telephone Shoulder Rest



Self-adhesive shoulder rest to suit most telephone handsets. Supplied in a color blister pack.

Cat #
K2705

## Handsets



Replacement handsets for various popular telephones. Dial-less telephone also available.

[BULK]

Cat #	Type	Color
K5110	G type Handset	Ash
K5115	K Type Handset	Black
K5555	Dial-less Phone	Charcoal

# Telephone Products and Receivers

## AR8000 Receiver



Quality Japanese made hand-held scanning receiver. Frequency coverage 500kHz to 1900MHz

- all mode reception AM, NFM, WFM, USB, LSB and CW
- 1000 channel memory
- 20 search banks • priority channel
- 50Hz to 995kHz programmable increments
- programmable scan and search speed
- signal strength metre and band scope
- backlit LCD, keypad and side panel
- optional RS232 interface available.
- supplied with NiCad batteries, charger, antenna and comprehensive manual.

[BOX 1/10]

Cat #	Item
C5008	AR8000
C5009	Pouch
C5010	RS232 Interface

## AR8200 Series II Receiver



new

### Features

- Frequency coverage 500 kHz-2040 MHz (no gaps)
- All mode reception with Super narrow FM plus Wide and Narrow AM in addition to standard modes
- True carrier re-insertion in SSB modes
- RF preselection of mid VHF bands
- Detachable MW bar aerial with negative feedback
- Tuning steps programmable in multiples of 50 Hz in all modes
- 8.33 kHz airband step correctly supported
- Step-adjust, frequency offset, AFC
- Noise limiter & attenuator
- Versatile band scope with save trace facility
- Twin frequency readout with bar signal meter
- Battery save facility with battery low legend
- 4-way side rocker with separate main tuning dial
- Programmable scan & search including LINK, FREE, DELAY, AUDIO, LEVEL, MODE
- Computer socket fitted for control, clone & record

### Optional Slot Card Accessories

- CT8200 CTCSS squelch option
- EM8200 Extended Memory 4000 backup memories and 160 search banks
- RU8200 Recording Unit - approx 20 seconds record/playback chip
- TE8200 Tone Eliminator - 256 steps
- VI8200 Voice Inverter - 157 steps

### Optional Cord Accessories

- CC8200 Computer Control cord
- CR8200 Cassette Recorder cord

Cat #	Item
C5012	AR8200 SII Receiver
C5014	SC8200 Pouch
C5015	TE8200 Tone Eliminator
C5016	CR8200 Cassette Recorder
C5017	CT8200 CTCSS
C5018	EM8200 Extra Memory
C5019	CC8200 Computer Interface
C5020	V18200 Voice Inverter

## Frequency register



A comprehensive register of government radio frequencies covering the states of Queensland, New South Wales, Australian Capital Territory and Victoria. This register was compiled after many hours of listening and where appropriate contains additional information such as call-signs and codes used by various government departments and authorities. Updated periodically.

[BULK 1/60]

Cat #
C5000

## Clock/Radio/Telephone



Combined clock radio and telephone. AM/FM radio • last number redial • mute button • ringer on/off switch • digital am/pm clock • red LED display with adjustable brightness • visual alarm check battery back-up for clock and alarm (9V battery required) • sleep control provides delayed radio switch-off • wake to music or alarm • snooze button silences alarm for 9 minutes. Austel permit # C82/30/0059

[BOX 1/10]

Cat #
F1100

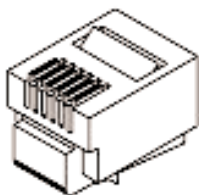
# Reference

## Modular Plug/Jack Types

There are several modular jack sizes and variations.

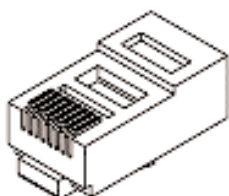
### 6 Position:

The 6 position modular plug is most commonly used for line cords in voice applications and is often referred to as RJ11 or RJ12. The 6 position poly-carbonate body can be loaded with only the centre 2 or 4 gold contacts or can be fully loaded with all 6 contacts. For basic 2 wire voice applications, the centre 2 contacts are used and the plug should be correctly described as 6P2C (6 position, 2 contact). Where 4 wires are required for Key Telephone Stations or two lines etc., the centre 4 contacts are used and the plug should be correctly described as 6P4C. In applications which require 6 wires all contacts are loaded and the plug is called 6P6C.



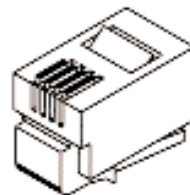
### 8 Position

The 8 position modular plug is now becoming the standard for data and voice applications. This jack is usually referred to as RJ45. The plug body is usually supplied with all 8 gold contacts loaded it should be correctly referred to as 8P8C. For basic voice line cords the plug may be loaded with only the centre 2 or 4 gold contacts and referred to as either an 8P2C or 8P4C. For data applications, several color coding sequences are used for the conductor pairs. In Australia, the most widely used system is known as T568A.



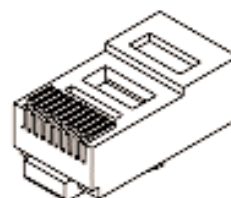
### 4 Position

The 4 position (4P4C) is narrower than the 6 position and usually only used on coiled telephone handset cords although occasionally used for other applications.



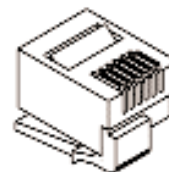
### 10 position

The 10 position (10P10C) modular plug has the same width body as the 8 position but has an extra contact added on each side.



### MMP

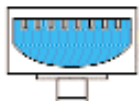
The MMP - Modified Modular Plug is a proprietary variation of the 6 position plug which was developed by Digital Equipment Corporation (DEC). The MMP plug has the latch shifted from the centre to one side to avoid the possibility of interchanging DEC data wiring and a normal telephone line plug. MMP is also referred to as DEC-Connect or MMJ. An 8 position keyed modular plug is also available but is not commonly used in Australia.



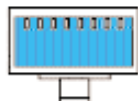
We recommend adoption of 8P8C, 6P4C terminology when describing modular plugs and jacks. This is a definite way to avoid confusion between similar plugs. The codes RJ11, RJ12, RJ45 and other RJ (Registered Jack) numbers actually specify various wiring configurations used in the USA, not actual Plug or Jack types.

## Modular Plug Variations

### Round or Flat Cord Entry



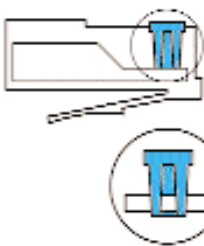
Round



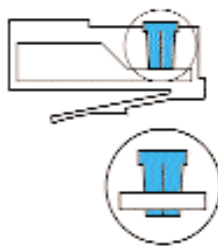
Flat

2 variations of modular plug exist to accommodate either Flat or Round cord. The lower face of the cord entry on the rear of the plug body can be either Flat or Round. The round type should always be used when terminating Category 5 or other Round cords to ensure that the jacket and conductors are not crushed during termination. Flat cord plugs must be used to ensure adequate cord strain relief of flat cord.

### Contacts for Solid or Stranded Conductors



Solid



Stranded

The IDC (Insulation Displacement Contact) section of the Gold contacts can be designed for either Solid conductors or Stranded conductors. Plugs for solid wires have a 3 pronged contact which forks over the Solid conductor whilst the contacts for stranded conductors have 2 spikes which penetrate between the strands. Failure to use to correct contact type will result in unreliable terminations.

### Gold Plating

The contacts used in modular plugs are gold plated and the gold plating thickness affects the electrical characteristics of the contact and it's resistance to corrosion. The thickness of the Gold Plating is usually measured in  $\mu$ " (Microinches) or sometimes in microns and various grades are sold.

#### Thickness of Contact Gold Plating

Microinch	Microns	Comments
6 $\mu$ "	0.15 $\mu$ m	Not recommended. Sometimes used on poor quality or unapproved telephones.
15 $\mu$ "	0.38 $\mu$ m	The minimum quality for satisfactory voice connections. Unsuitable for data
30 $\mu$ "	0.76 $\mu$ m	Satisfactory for voice connections and low speed data only.
50 $\mu$ "	1.27 $\mu$ m	Provide reliable voice & data connection to Category 5 (when terminated correctly).

### Modular Plug Termination Recommendations

- Always use a modular plug with the correct contacts for stranded conductors or solid conductors.
- Do not terminate flat cord plugs onto round cord & vice versa.
- Avoid plugging 6 position plugs into 8 position sockets where possible.
- Use quality tools for crimping modular plugs.
- Avoid RJ11, RJ45 Terminology to avoid confusion.
- Ensure plugs with suitable grade of gold plating are used.
- Avoid excessive bending or squashing of Category 5 cords.
- Use plug boots to provide extra strain relief.

### Straight-Thru or Cross-over Modular Cords.

Modular cords are used mainly for 2 functions. The first is for connecting between modular patch panels. When used for this purpose, modular cords should always be wired straight-thru. Another common use is for connection of equipment such as PC's, terminals, telephones, modems and faxes to the modular wall outlet. These modular cords may either be wired straight-thru or cross-over depending on the specifications of the terminal equipment.

# Reference

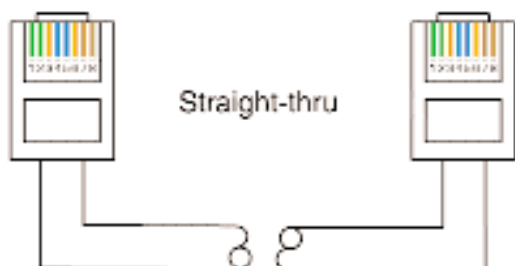
Most data equipment uses straight-thru. Voice applications will often tolerate either polarity, although cross-over wiring is more common, particularly for Key Telephone Stations. Other accessories such as couplers and double adaptors may also be wired straight-thru or cross-over.

## Modular Cord Wiring Configurations

Straight-thru Polarity		Cross-over Polarity	
End A	End B	End A	End B
Pin 1	Pin 1	Pin 1	Pin 8
Pin 2	Pin 2	Pin 2	Pin 7
Pin 3	Pin 3	Pin 3	Pin 6
Pin 4	Pin 4	Pin 4	Pin 5
Pin 5	Pin 5	Pin 5	Pin 4
Pin 6	Pin 6	Pin 6	Pin 3
Pin 7	Pin 7	Pin 7	Pin 2
Pin 8	Pin 8	Pin 8	Pin 1

## Checking modular cord wiring polarity.

Hold both ends of the modular cord with the plugs alongside each other. Ensure that the gold contacts of both plugs are facing you and the cord from each plug is leading down. The gold contacts are numbered from left to right with the plugs in this orientation. Compare the color sequence from left to right. If the colors appear in the same sequence on both plugs, the cord is wired straight-thru. If the color sequence is reversed on the second plug, the cord is wired cross-over.



## Cable Categories

Category	Frequency	Max Data Speed	Use
1&2	< 1MHz	*	Voice & low speed data only
3	16MHz	10Mbps	Voice & low speed LAN (10-Base-T, 4 Mbps Token Ring)
4	20MHz	16Mbps	Voice & moderate speed LAN
5	100MHz	100Mbps	Voice & high speed LAN
5e	125MHz	1000Mbps	Voice & high speed LAN
6	250MHz	>1000Mbps	Future demand/Broadband
7	600MHz	>1000Mbps	Future demand/Broadband

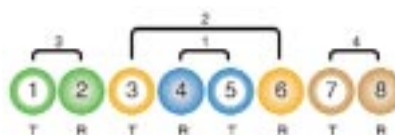
## Category 5 Color Sequence

Category 5 cabling utilises a standard conductor color coding system. Each pair of conductors consists of a white conductor and a colored conductor. Each white conductor is usually marked with a colored stripe or band to prevent incorrect pairing.

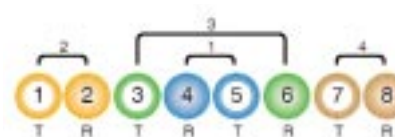
Pair	Color
1	White/Blue
2	White/Orange
3	White/Green
4	White/Brown

Two different pair sequences are used for terminating pairs in a Category 5 cabling system. Each pair consists of 2 conductors known as the Tip and Ring. The tip (or L+) conductor is always white and the ring (L-) conductor is colored. Each pair of conductors is assigned a pair of pins in the modular jack according to one of the following standard sequences. The preferred pair assignment for use in Australia is identified as 568A, although 568B is also used.

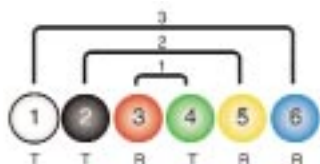
### TIA/EIA 568A (Preferred Australian System)



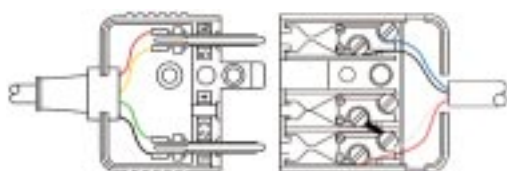
### TIA/EIA 568B (AT&T)



## Flat Voice Cord (USOC)



## 605 Plug / 610 socket



## Telstra Facility Cable Color Coding

Pair	Tip (L+)	Ring (L-)
1	white	blue
2	red	black
3	orange	green

## Telephone Line Test Numbers

Number	Function
018 018 222	To obtain the number of line you are using (All lines incl. mobiles)
127 11	Confirms long distance carrier pre-selection
127 220	Confirms CND send status
127 22 123	To obtain the number of line you are using (Telstra lines)
127 22 199	Dial & Hang-up to test ring-back of phone (Telstra lines)
127 2312	To obtain number of line you are using (Optus lines only )
18 31	Prefix to Block CND (Calling Number Display)
18 32	Prefix to Force Send CND (Calling Number Display)

## Power Calculation

The following formula is used to calculate wattage (or VA). This formula is useful to determine if a required voltage and current combination will exceed the maximum capacity of a particular AC Adaptor's case.

$$\text{Volts} \times \text{Amps} = \text{Watts (VA)}$$

## IEC-320 Appliance Connectors

Connector Type	Connector	Inlet	Max. temp.	Rated Current (Amps)
	C1	C2	70°C	0.2
	C3	C4	70°C	2.5
	C5	C6	70°C	2.5
	C7	C8	70°C	2.5
	C9	C10	70°C	6.0
	C11	C12	70°C	10.0
	C13	C14	70°C	10.0
	C15	C16	120°C	10.0
	C15A	C16A	155°C	10.0
	C17	C18	70°C	16.0
	C19	C20	70°C	16.0
	C21	C22	155°C	16.0
	C23	C24	70°C	16.0

## 3-pin Australian Mains Plug



Use	Marking	Flex Conductor Colors	Building Wire Conductor Colors
Active	A	Brown	Red
Neutral	N	Blue	Black
Earth	E	Green/Yellow	Green/Yellow

# Reference

## Approvals, Permits and Compliance

### ACA / Austel Compliance

The Australian Telecommunications Authority (Austel) were responsible for issuing cabling licences, equipment permits and monitoring the conduct of licence and permit holders for all equipment and components connected to the Australian telephone network. The Spectrum Management Agency (SMA) was the Australian Commonwealth statutory agency responsible for the management of radiocommunications in Australia. On 1 July 1997, AUSTEL and SMA merged to form the Australian Communications Authority (ACA). The ACA is now responsible for technical regulation, consumer issues and licensing of telecommunications and radiocommunications in Australia.

### A-Tick

The A-tick and ACA supplier code indicates compliance with Australian telecommunications requirements and that the equipment can be legally connected to the Australian Telecommunications Network. Our ACA supplier code is N692.



N692

### C-Tick

C-Tick markings may also appear on products which are required to comply with Australian electromagnetic compatibility requirements and radiocommunications standards and that the product may be legally sold in Australia. Our ACA supplier code is N692.



N692

Since 31 December 1998, all equipment which requires EMC compliance must be marked with the C-tick and ACA supplier code number. The supplier is responsible for holding a Compliance Folder which contains compliant test reports and a Declaration of Conformity.

### A-Cross

If an item covered by the Telecommunications Labelling Notice does not comply with the applicable standard(s) and it is not a permitted item, it is regarded as non-compliant.



All non-compliant items must be labelled with the A-Cross non-compliance symbol and the non-compliance notice shown below.

### CAUTION

#### DO NOT USE BEFORE READING THE INSTRUCTIONS

Do not connect this customer equipment or customer cabling to a carrier or carriage service provider's telecommunications network or facility unless:

- (a) you have the written consent of the network or facility manager; or
- (b) the connection is in accordance with a connection permit or connection rules.

Connection of this customer equipment or customer cabling may cause a hazard or damage to the telecommunications network or facility, or persons, with consequential liability for substantial compensation.

### Electrical Safety Compliance & RCM

Power cords and AC adaptors for use in Australia must be tested for compliance with state electrical safety authority regulations. The New South Wales state government department responsible for electrical safety is The Department of Fair Trading (DOFT).



N5071

Most other states also have a department responsible for issuing Electrical Safety Certificates. A safety certificate issued in any state is recognised Australia wide. The product must be marked with a valid Electrical Safety Certificate Number e.g. N13816 or a RCM number issued by Standards Australia (SAA) e.g. N5071. C-Tick markings may also appear on an AC adaptor and show compliance with EMC standards. The RCM (Regulatory Compliance Mark) may be used as an alternative to show compliance with Electrical Safety and EMC standards. Our RCM (SAA) number is N5071.

## Product Packaging and Carton Quantities

Many of our products are available in packaging types. A description appears beneath each item in our catalog to indicate which options are available for that particular product. For more efficient dispatch of your order, please try to order carton quantities where possible.

- [BULK]** Bulk packed in master cartons. Some bulk products are also in individual heat sealed poly bags.
- [BLST]** Bar Coded 4 color Blister Packs for retail sale.
- [POLY]** Poly Bag with 2 color Header Card suitable for retail sale.
- [REEL]** Supplied rolled onto a cardboard/PVC reel.
- [ROLL]** Supplied in a roll with protective Poly Ethylene (PE) wrap.
- [PULL]** Supplied rolled into a pull box
- [BOX]** Individual cardboard box.

## Telephone Line Data

### DTMF - Dual Tone Multi Frequency

DTMF is the signaling method used for dialing by most modern telephones. A pair of frequencies is assigned to each of 12 dial buttons on the telephone. An additional column of DTMF tones (A,B,C & D) is also specified but is seldom used now.

DTMF signaling is also sometimes referred to as Tone Dialing, VF Signaling, MF Dialing or Touch Tone. The "#" symbol is also known by many different names including Crosshatch, Hatch, Pound and Octothorpe.

### DTMF Frequency Matrix

Low Group Frequencies	High Group Frequencies (Columns)				
		1209 Hz	1336 Hz	1477 Hz	1633 Hz
	697 Hz	1	2	3	A
	770 Hz	4	5	6	B
	852 Hz	7	8	9	C
	941 Hz	*	0	#	D

### Tip and Ring

The names for the two wires of a telephone line were derived from the electrical contacts on the original 1/4 inch telephone plug. These plugs are quite similar in appearance to the 6.5mm diameter stereo phono plugs that are sometimes still used for stereo headsets. One electrical contact is at the tip of the plug (used for Line +) and the other is a ring just above it (used for Line -). There is also a third contact referred to as the sleeve.



### Color Coding and Pair Assignment

Color Coding and Pair Assignment for Internal Telephone Cabling	Line +	Line -
1/4 Inch Phone Jack Contact DC Voltage	Tip 0	Ring -48
	Pair	Color/Pin #
Flat Modular Cordage	1	Green
	2	Black
	3	White
6P6C RJ12 Pin	1	3
	2	5
	3	1
Category 5 Color Code	1	White/Blue
	2	White/Orange
	3	White/Green
	4	White/Brown
8P8C RJ45 Pin	1	5
	2	3
	3	1
	4	7

## Internal Telephone Cable Color Code Chart

Pair numbering commences at outer layer

Pair	Line +	Line -
1	White	Blue
2	White	Orange
3	White	Green
4	White	Brown
5	White	Slate
6	White	White/Blue
7	White	Blue/Orange
8	White	Blue/Green
9	White	Blue/Brown
10	White	Blue/Slate
11	White	White/Orange
12	White	Orange/Green
13	White	Orange/Brown
14	White	Orange/Slate
15	White	White/Green
16	White	Green/Brown
17	White	Green/Slate
18	White	White/Brown
19	White	Brown/Slate
20	White	White/Slate
21-40	Yellow	Repeat Sequence
41-60	Black	Repeat Sequence
61-80	Violet	Repeat Sequence
81-100	Red	Repeat Sequence

## External Telephone Cable Color Code Chart

Pair	Line +	Line -	Unit	Unit Binder
1	White	Blue	1	Blue
2	White	Orange	2	Orange
3	White	Green	3	Green
4	White	Brown	4	Brown
5	White	Slate	5	Slate
6	Red	Blue	6	Blue/White
7	Red	Orange	7	Orange/White
8	Red	Green	8	Green/White
9	Red	Brown	9	Brown/White
10	Red	Slate	10	Slate/White

# Terms and Conditions

## Catalog numbers

All items in this catalog have a computer catalog number. Please use this catalog number when ordering to ensure accurate processing and fast dispatch of your order.

## Price Lists

Prices are not listed in this catalog. Please contact us if a price list is required. Discounts are available on most products for carton quantities.

## Warranties and repairs

Unless otherwise stated, warranty period is 12 months from invoice date. Please retain invoices as proof of purchase. If service is required within the warranty period, return item to our service division with a copy of the invoice. Full service fee will apply to items received without a copy of the invoice. Warranty does not cover any damage caused by corrosion, liquid spillage, power surges, lightning, leaking batteries, or any deliberate or accidental abuse.

Distributors should check products to confirm problems are not due to operator error. Our minimum service fee will apply to any items found to have no fault.

## Returns and credits

Items returned will not be credited without prior arrangement. To cover restocking overheads, a 10% fee will apply.

## Damaged goods

All claims for damaged goods must be reported immediately. Do not open a package if you suspect contents may be damaged. Contact our sales department for advice.

## Backorders

Product temporarily out of stock will be automatically placed on backorder and shipped when available. If lead times become excessive or product discontinued, we may offer substitute products or equivalent or higher value. Where substitutes are available at lower prices, we will pass the savings on to you. We reserve the right to vary prices and specifications without notice.

## Lightning damage

Many products such as AC adaptors, are vulnerable to severe damage in the event of power surges or lightning strikes. Damaging surges (or 'spikes') can come through either the telephone line, or AC mains cord/adaptor. The damage caused is not covered by warranty and is usually extensive and costly to repair. We recommend disconnection from telephone line and/or 240V AC mains supply during electrical storms, whenever possible.

## Freight

Goods are usually dispatched by overnight road transport. The cost of freight will be added to your invoices. Inward freight must always be paid by your sender. Items repaired under warranty will be returned with freight unpaid. Under no circumstances will our receiving docks accept consignments if freight cost is charged to receiver. Any such items will be returned to the sender. Overseas orders under 20kg are usually dispatched by FedEx, unless arranged otherwise.

## Liability

The way in which our products are used is completely beyond our control. Therefore we cannot be held responsible for damage or destruction, consequential or otherwise, of equipment or articles associated with or used in conjunction with our products. Our liability is limited to repair, replacement, or credit (at our option) of purchase product.

## Payment terms and conditions

Our standard payment terms are payment with order. For your convenience, funds may be direct deposited onto our bank account, we also accept most major credit cards. Please remember to add GST and freight costs when posting payment. Credit is only available where prior arrangements exist. Title to goods does not pass to buyer until full payment has been received by Access Communications Pty Ltd.



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