

# Index

## Australian/U.S. Modular Adaptors ..... 2

605M Modular Plug Adaptor  
606M Modular Plug Adaptor  
608M RJ45 Modular Plug Adaptor  
606DM Dual Modular Plug Adaptor  
615M Half Modular Adaptor  
610M Modular Socket Adaptor

## Australian Telephone Plugs and Sockets ..... 3

605A Telephone Plug  
606 Telephone Plug  
610W Telephone Wall Socket  
610 Self Adhesive Backing Plates  
610 Stacking Adaptors  
610T Telephone Cord Socket  
615 Plug/Socket Adaptor

## U.S. Modular Adaptors ..... 4

Modular Double Adaptor  
Modular Triple Adaptor  
Modular Coupler  
Modular 3-Way Coupler  
Modular Reducer

## Australian Adaptors Data Plug & Socket ..... 5

600 Double Adaptor  
635 Double Adaptor  
Double Adaptor with Cord  
630 Mode 3 Adaptor  
611W Data Socket  
604 Data Plug

## Extension and Line Cord Assemblies ..... 6

4 Conductor Extension Cord 606/610  
4 Conductor Modular Line Cord  
RJ11 to 610 Extension Socket Cord  
Extension Cord With Double Adaptor 615/610  
Extension Cord 615/RJ11  
6 Conductor Extension Cord 605/610  
606/RJ11 Line Cord  
6 Conductor Modular Line Cord  
Modular Line Cord RJ11/RJ45  
Modular Line Cord RJ45/RJ45

## Handset and Coiled Cord ..... 7

Modular Coiled Handset Cord  
6 and 8 Conductor Coiled Cord  
Special Coiled Cords  
Armoured Handset Cord  
Expandite & Block

## Cord Components ..... 8

Y-Terminals  
Quick Connect Crimps  
Grommets

## U.S. Modular Sockets ..... 8

PCB Mount Sockets  
Case Mount Sockets

## U.S. Modular Plugs ..... 9

4 Position Modular Plug  
6 Position Modular Plug  
6 Position Modified Modular Plug (MMP)  
8 Position Modular Plug  
8 Position Keyed Modular Plug  
10 Position Modular Plug

## British Telecom New Zealand Accessories ..... 10

BT/NZ to U.S. RJ11 Line Cord  
BT/NZ Extension Cord  
BT/NZ Extension Cord with Double Adaptor  
BT/NZ to 605 Line Cord  
BT/NZ to 610 Line Cord  
BT/NZ Line Plug  
BT/NZ (Reverse Latch) Handset Plug  
BT/NZ Wall Socket  
BT/NZ Double Adaptor  
BT/NZ Coupler  
BT/NZ to U.S. RJ11 Adaptor

## Cord ..... 12

Flat Line Cord  
2 Conductor  
4 Conductor  
6 Conductor  
8 Conductor  
10 Conductor  
5 Conductor Shielded  
Category 5 Patch Cord with Stranded Conductors  
2 Pair STP Braided  
Category 5 LAN Cord with Solid Conductors  
Round Line Cord

## Computer Cords and Adaptors ..... 14

Modular/DB Adaptor  
HD26 Cords  
DB Cords

## Tools ..... 14

Professional 3-In-1 Modular Tool  
Economy 3-In-1 Modular Tool  
Metal Modular Tools  
Economy Modular Tool  
Cutter/Stripper  
IDC Impact Tools  
H1130 Crimp Tool  
Keystone Safety Impact Chassis

## U.S. Modular Wall Sockets ..... 16

Surface Mount  
Side Entry Surface Mount  
Skirting Mount Side Entry  
Duplex Side Entry Surface Mount  
RJ45 Surface Mount 110 Socket  
Duplex RJ45 Surface Mount 110 Socket  
Flush Wall Plate  
Duplex Flush Wall Plate  
Wall Phone Bracket  
Wall Phone Bracket with Side Entry Sockets

## Test Equipment ..... 17

Linesman's Test Phone  
Modular Cable Tester

## Category 5 Products ..... 18

110 Keystone Jacks  
110/Krone Type Patch Panels  
Keystone Jack 110 Patch Panels  
Keystone Flush Plates  
Keystone Surface Boxes  
Colored Icon Labels  
Category 5 Patch Cords  
RJ45 Boots  
Splitters

## Installation Accessories ..... 20

Terminal Block TBA-8  
Scotchlok Connectors  
Main/Alternative Change-over Switch  
T200/T400 Wall Mount Kit

## Extension Ringers ..... 20

Extension Bell  
Extra Loud Bell  
Extension Tone Ringer with Light  
Type A Tone Ringer  
Type C Loud Sounding Alarm  
Horn Speaker

## Commander Handset Parts ..... 21

Commander Handset Cords  
Coiled Cord 4P4C 616 Modular Socket  
Commander Receivers and Transmitters  
Commander Hookswitch  
Commander BN Door Station

## Spare Parts and Components ..... 22

Answering Machine Cassettes  
Micro Cassettes MC-60  
Ni-Cad Batteries  
BTD-1 Busy Tone Detect Hybrid IC  
DTMF Encoders  
Rubber Cordless Phone Antenna  
Communications Headsets  
Handsets  
Message Waiting Lights  
Line Isolation Units for Music On Hold  
Phono Cords  
Standard Output Plug Types  
PCB DC Sockets  
DC Output Cords

## Telephone Products and Receivers ..... 24

Featurefone 8  
Thinfone  
SP-11 Telephone  
Clock/Radio/Telephone  
AR8000 Receiver  
Sangean ATS-818CS Shortwave Receiver  
Frequency register  
PhoneMate 6900

## Power ..... 26








AC Adaptors  
Switch Mode PSU  
EI-35 AC Adaptor  
EI-35B AC Adaptor  
EI-41 AC Adaptor  
EI-41 In-Line AC Adaptor  
EI-48 AC Adaptor  
EI-57 In-Line AC Adaptor  
EI-57B AC Adaptor (Alarm Panel PSU)  
IEC Power Cord  
Appliance Power Cord  
Australian 3-Core Mains Flex  
IEC Extension Cord (PC Monitor Cord)  
U.S. IEC Power Cord  
Australian 2-Core Mains Flex  
IEC Power Cord with Right Angle Plug  
High Temp IEC Appliance Cord

## Reference Section ..... 28

Modular Plug/Jack Types & Terminology  
Other Plug Variations (exist for all plug types)  
Cable Categories

## PACKING LEGEND

Packing quantities listed in product description

-  Blister [BLST]
-  Poly bag [POLY]
-  Bulk [BULK]
-  Pull box [PULL]
-  Roll [ROLL]
-  Reel [REEL]
-  Box [BOX]

# Australian / U.S. Modular Adaptors

## 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
P6060	4	Ivory
P6066	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

## 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

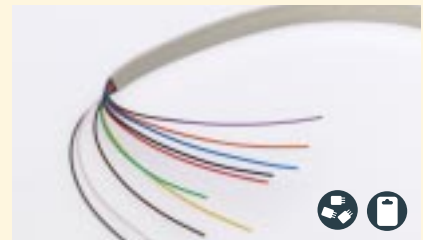
## 606DM Dual Modular Plug Adaptor



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

## 606 Telephone Plug



Standard Australian 2 or 4 terminal telephone plug. Compact design with internal cord restraint bars. 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

## 610W Telephone Wall Socket



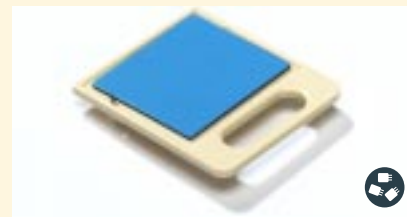
Standard Australian telephone wall socket. Will accept 605, 606 or 603 telephone plugs. Our totally new 610 wall socket has numerous features and improvements:

- 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

## 610 Self Adhesive Backing Plates



Self adhesive backing plate to eliminate the requirement to use screws when mounting 610 sockets to any flat, clean surface. Access, Exicom and other compatible 610 sockets simply snap-on to the backing plate. [BULK 50/500]

CAT#	COLOR
P8620	Ivory

## 610 Stacking Adaptors



This adaptor replaces the original lid of an existing 610 socket, allowing another 610 to be stacked on top. All wiring is fed thru internally. [BULK 10/100]

CAT#	COLOR
P8630	Ivory

## 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

## 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

# 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)

# 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, P8611 is fitted with cams.  
Austel Permit # C89/83i/0191  
[BULK 100/800]

CAT#	COLOR	CAMS
P6115	Ivory	No
P8611	Ivory	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

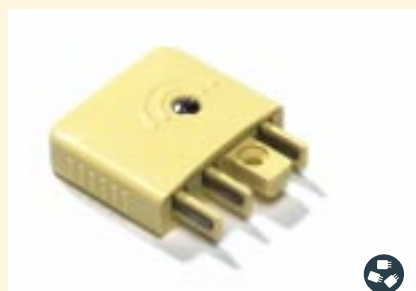
## 630 Mode 3 Adaptor



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 and Line Cord Assemblies

## 4 Conductor Extension Cord 606/610



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 Meter	60
W1278	3 Meter	60
W1280	5 Meter	60
W1300	10 Meter	32
W1310	15 Meter	32
W1320	20 Meter	32
W1325	25 Meter	24
W1330	30 Meter	24

## 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 Meter	Cross-over	60
W2492	2 Meter	Cross-over	60
W2495	3 Meter	Cross-over	60
W2505	5 Meter	Cross-over	60
W2532	10 Meter	Cross-over	32
W2525	15 Meter	Cross-over	32
W2490	2 Meter	Straight-thru	*

## 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 Meter

## Extension Cord With Double Adaptor 615/610



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 Meter
W2360	10 Meter
W2370	15 Meter

## Extension Cord 615/RJ11



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 Meter

## 6 Conductor Extension Cord 605/610



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 Meter
W2400	5 Meter
W2450	10 Meter
W2455	15 Meter

## 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
W3610	2 meter	2	Ivory
W3612	2 meter	2	Ash
W3614	2 meter	2	Black
W3620	3 meter	2	Ivory
W3622	3 meter	2	Ash
W3624	3 meter	2	Black
W3650	2 meter	4	Ivory
W3652	2 meter	4	Ash
W3654	2 meter	4	Black
W0022	2 meter	4	Ivory
W0023	3 meter	4	Ivory
W0025	5 meter	4	Ivory

# Handset and 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

## Modular Line Cord RJ11/RJ45



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	Various	Either

## Modular Line Cord RJ45/RJ45



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 Meter
W3040	Ash	3 Meter
W3010	Black	3 Meter
W3060	White	3 Meter
W3005	Grey	3 Meter
W3020	Brown	3 Meter
W3100	Ivory	5 Meter
W3110	Ash	5 Meter
W3080	Black	5 Meter
W3130	White	5 Meter
W3170	Ivory	8 Meter
W3180	Ash	8 Meter
W3150	Black	8 Meter
W3200	White	8 Meter

## 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 Meter
W3320	Black	6	Flat	5 Meter
W3420	Black	8	Flat	3 Meter
W3330	Black	6	Round	3 Meter
W3333	Ash	6	Round	3 Meter
W3335	Black	6	Round	5 Meter
W3400	Ash	8	Round	3 Meter

## 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]

## Armoured Handset Cord



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

CAT#
K2958

## 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

# Cord Components



# US Modular Sockets

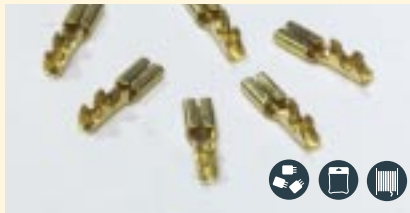
## Y-Terminals



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

See our Tools section on page 15 for Crimping Tool – cat# T0035



## 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	4 Conductor 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 Round
P7220	Ash	G2	5.0mm	6 Conductor Round
P7200	Black	G2	5.0mm	6 Conductor Round
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	4 Con BT/NZ Flat
P7610	Ash	G6	3.0 x 5.0mm	4 Con BT/NZ Flat
P7620	White	G6	3.0 x 5.0mm	4 Con BT/NZ Flat
P7800	Ivory	G8	2.5 x 9.0mm	8 Conductor Flat

## 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

## 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	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

# U.S. 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	5-Pack
P2123 4P4C	Round		Stranded	Bulk
P2122 4P4C	Round		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	5-Pack
P2140 6P6C	Flat		Stranded	Bulk
P2143 6P6C	Round		Stranded	Bulk
P2144 6P6C	Round		Solid	Bulk
P2146 6P6C (Shielded)	*		*	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	5-Pack
P2165 8P8C (Shielded)	Round		Stranded	Bulk
P2167 8P8C (Shielded)	Flat		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

## 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

## 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

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



New Zealand or British line cord for telephones and devices with U.S. modular line jacks. Standard wiring configuration, fitted with BAPT approved 6P4C plug. Austel Permit # C89/01A/0301 [BULK 300]

CAT#	LENGTH
W2392	2 Meter

## BT/NZ Extension Cord



Standard BT/NZ telephone line extension cord. Austel Permit # C89/01A/0253 [BULK]

CAT#	LENGTH
W2382	5 Meter
W2381	10 Meter

## BT/NZ to 605 Line Cord



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 Meter

See our  
Tools section  
on page 15  
for Metal  
Modular Tool—  
cat# T0030



## BT/NZ Extension Cord with Double Adaptor



Extension line cord with BT/NZ double adaptor and 6P4C BT/NZ plug. Austel Permit # C89/01A/0253 [BULK]

CAT#	LENGTH
W2385	10 Meter

## BT/NZ to 610 Line Cord



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 Meter

# British Telecom / New Zealand Accessories

## BT/NZ Line Plug



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	BTTYPE
P3000	6P4C	431A
P3001	6P6C	631A

## BT/NZ Wall Socket



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	BTTYPE
P3030	6P6C	Slave
P3032	6P6C	Master

## BT/NZ Coupler



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

## BT/NZ (Reverse Latch) Handset Plug



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	BTTYPE
P2999	6P4C	430A
P2998	6P6C	630A

## BT/NZ Double Adaptor



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

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



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



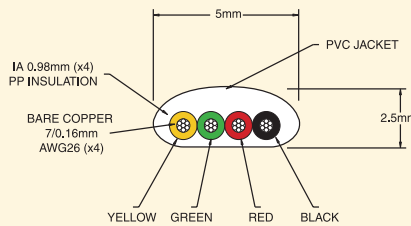
General purpose 26AWG telephone line cord suitable for termination to U.S. modular plugs. 7/0.16mm stranded copper conductors UL type 20251. Cord with tinsel conductors also stocked. Available in various colors and reel sizes. Austel CCL # A95/CC/0036

## 4 Conductor



Austel CCL # A95/CC/0036  
[REEL 100/500]

CAT#	COLOR	REEL SIZE
Y9200	Ivory	500 Meter
Y9205	Ash	500 Meter
Y9210	Black	500 Meter
Y9235	White	500 Meter
Y9262	Mid Grey	500 Meter
Y9270	Light Grey	500 Meter
Y9201	Ivory	100 Meter
Y9206	Ash	100 Meter
Y9211	Black	100 Meter

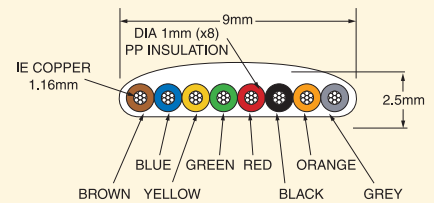


## 8 Conductor



Austel CCL # A95/CC/0036  
[REEL 100/500]

CAT#	COLOR	REEL SIZE
Y9400	Ivory	500 Meter
Y9405	Ash	500 Meter
Y9410	Black	500 Meter
Y9401	Ivory	100 Meter
Y9406	Ash	100 Meter
Y9411	Black	100 Meter

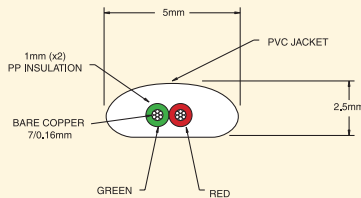


## 2 Conductor



Austel CCL # A95/CC/0036  
[REEL 500] [ROLL 1000]

CAT#	COLOR	REEL SIZE
Y9100	Ivory	500 Meter
Y9105	Ash	500 Meter
Y9110	Black	500 Meter

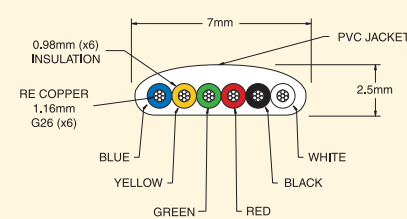


## 6 Conductor



Austel CCL # A95/CC/0036  
[REEL 100/500]

CAT#	COLOR	REEL SIZE
Y9300	Ivory	500 Meter
Y9205	Ash	500 Meter
Y9310	Black	500 Meter
Y9301	Ivory	100 Meter
Y9306	Ash	100 Meter
Y9311	Black	100 Meter

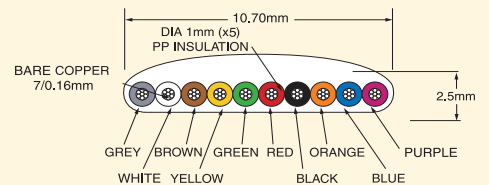


## 10 Conductor



Austel CCL # A95/CC/0036  
[REEL 200] [ROLL 200]

CAT#	COLOR	REEL SIZE
Y9505	Ash	200 Meter
Y9510	Black	200 Meter



## Pull Box



## Category 5 Patch Cord with Stranded Conductors



Category 5 cord suitable for assembly of patch cords. 4 twisted pairs 24AWG with 7/0.51 stranded conductors. UL verified and CSA listed.  
Austel CCL # A95/CC/0035  
[ROLL 100] [PULL 305]

CAT#	COLOR	REEL/BOX SIZE
Y8200	Blue	305 Meter
Y8201	Blue	100 Meter
Y8205	Ash	305 Meter
Y8206	Ash	100 Meter

## Category 5 LAN Cord 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]

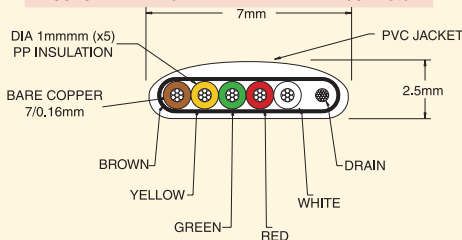
CAT#	COLOR	REEL/BOX SIZE
Y8300	Blue	305 Meter
Y8301	Blue	100 Meter
Y8305	Ash	305 Meter
Y8306	Ash	100 Meter

## 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 Meter



## 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 Meter

## 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 Meter
Y9350	6 Stranded	Black	300 Meter

See our Modular Tools section on page 15, and US Modular Plugs on page 9

# Computer Cords and Adaptors

# Tools

## 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

## 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 Meter

## 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 Meter

## 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. Supplied in a hard blue colored PVC case with foam lining.  
[BOX 1] [BULK 12]

CAT#	TYPE
T0019	4P/6P/8P

## 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

## Metal Modular Tools



These quality steel hand tools are ideal for infield 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

## 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



# 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

## 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

## 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

## 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

## 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

## 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.  
Dimensions 76(W) x 119(H) x 9(D) mm  
Austel Permit # C89/83i/0295  
[BULK 200] [POLY 10]

CAT#	TYPE
P1415	6P4C

## 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

## 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

## 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

## 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

See page 19 for our Category 5 products



# Category 5 Products

**NEW**  
product  
range

## 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 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]

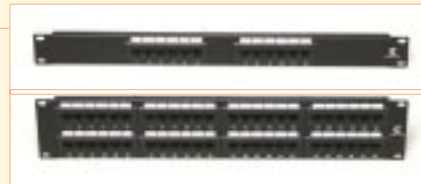
CAT#	COLOR	CABLETIE
P4511	White	With
P4510	White	Without
P4516	Black	With

## 110/Krone Type Patch Panels



Patch Panels are used for high speed LAN's at transmission rates up to 155Mbps, the transmission characteristics meet the requirements of TIA/EIA 568A Category 5 specification. These panels utilise PCB technology to balance signal transmission and provide low insertion loss, return loss and crosstalk from 1 to 100Mhz. 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
P4012	12
P4024	24
P4048	48

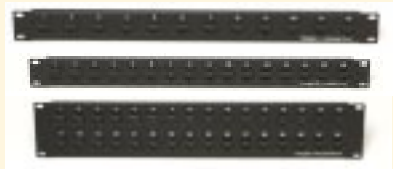
## Keystone Jack 110 Patch Panels



These Category 5 patch panels utilise Keystone Jacks which snap directly into the 19" black aluminium panel. Our keystone jacks have 110 IDC terminals and combined 568A & T568B color coding for easy installation.

ACA Supplier Code **N692**  
[BOX]

CAT #	PORTS	DIMENSIONS
P4112	12	1.75" (h) x 19" (w) x 1.32" (d)
P4116	16	1.75" (h) x 19" (w) x 1.32" (d)
P4124	24	3.50" (h) x 19" (w) x 1.32" (d)
P4132	32	3.50" (h) x 19" (w) x 1.32" (d)



# 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

## Colored Icon Labels



Self adhesive Icon Labels for easy color coding of Category 5 Patch Panels, Flush Plates and Surface Boxes. 5 colors are stocked.  
[BULK 100]

CAT#	COLOR
P4600	White
P4602	Red
P4604	Blue
P4606	Yellow
P4608	Green

## 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

## 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

## Category 5 Patch Cords



4 twisted pairs UL verified, CSA approved, 568A color coding. Available with or without 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#	LENGTH	COLOR	CODES
W2550	0.5 Meter	Ash	ASH
W2551	1 Meter	Blue	BLU
W2552	2 Meter	Red	RED
W2553	3 Meter	Green	GRE
W2555	5 Meter	Black	BLA
W2560	10 Meter	Yellow	YEL
W2565	15 Meter		
W2570	20 Meter		

## 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

# Installation Accessories

# Extension Ringers



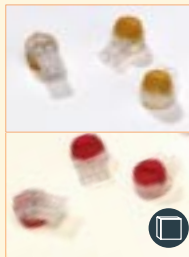
## Terminal Block TBA-8



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

## Scotchlok Connectors



Genuine 3M brand Scotchlok connectors. 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

## 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

## T200/T400 Wall Mount Kit



Kit to allow a standard Telstra T200 or T400 series telephone to be wall mounted. Kit simply screws to the back of the Telstra phone to provide correct angle for wall mounting. Supplied with handset clip to hold handset in the

vertical position. Phone will then mount directly onto a standard wallphone socket (P1415).

**CAT#**  
P8640

## Extension Bell



Plugs directly into telephone line socket and rings loudly when incoming calls are received. Fitted with 10 meter 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

## 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

## Extension Tone Ringer with Light



Compact electronic extension ringer with visual ring indicator. On/off switch allows bell to be disabled when only the light is required. Fitted with

modular plug and socket for easy in-line installation. Slots on back of case for easy wall installation. Austel Permit # A93/01B/0395 [BOX]

**CAT#**  
K3503

## Type A Tone Ringer

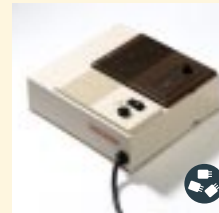


Robust extension tone ringer with volume control and on/off switch. Connection to line by screw terminals. Unit has built-in speaker or optional 15 watt horn speaker is

available for more directional signalling of incoming calls. Screw terminals are provided for connection of horn speaker. Austel Permit # C89/01B/0217 [BOX]

CAT#	ITEM
K3506	Ringer
K3505	Horn Speaker

## Type C Loud Sounding Alarm

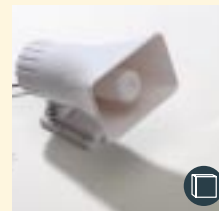


240V amplified loud sounding alarm ringer with volume control and on/off switch. Connection of 1 or 2 telephone lines by screw terminals.

Requires 15 watt horn speaker which is connected by screw terminals. Austel Permit # C89/02/0219 [BULK]

CAT#	ITEM
K3508	Ringer
K3505	Horn Speaker

## 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

# Commander Handset Parts

## 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

## 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

## 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
Z3100	N	TX	T62
Z3200	AN/BN	TX/RX	DH26

## 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

## Commander BN Door Station



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

CAT#
K6000

Have you visited our website?

[www.accesscomms.com.au](http://www.accesscomms.com.au)

# Spare Parts and Components

## 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
K2497	ICM 30 minute
K2495	ICM 60 minute

## 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
K3037	Single AA cells
K3010	3 x AA pack
K3050	4 x AA pack
K3007	3 x N (clover)
K3052	4 x N (stacked 2 x 2)
K2955	PhoneMate 6900

## 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

## Micro Cassettes MC-60



High quality Callmaster MC-60 micro cassette. Suitable for telephone answering machines and dictating equipment.  
[BULK 5/100]

CAT#
K2780

## 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

## Rubber Cordless Phone Antenna



Flexible handset antennae to replace existing telescopic antenna. Available for selected cordless and cellular phone handsets.  
[POLY]

CAT#	TYPE
K3155	Callmaster CT800, CT830, CT870
K3150	Callmaster CT880
K3160	Superfone CT505 series
K3143	NEC P3 Cellular

# Spare Parts and Components

## 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

## Handsets



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

CAT#	TYPE	COLOR
K5100	FP2000 Handset	Ash
K5110	G type Handset	Ash
K5115	K Type Handset	Black
K5555	Dial-less Phone	Charcoal

## 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

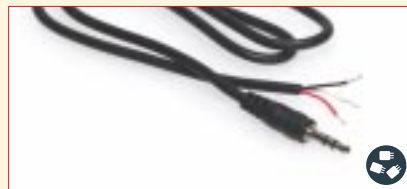
## Line Isolation Units for Music On Hold



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#
K2400

## 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

## 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

## PCB DC Sockets



[BULK 100]

CAT#	SOCKET TYPE
K3721	5.5 x 2.1mm
K3725	5.5 x 2.5mm

## DC Output Cords



[BULK 10/300]

CAT#	PLUG TYPE	LENGTH
K3733	5.5 x 2.1mm	3 Meter
K3735	5.5 x 2.5mm	3 Meter

# Telephone Products and Receivers

## 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
B1605	Grey
B1610	Mauve
B1615	Red

## SP-11 Telephone



High quality one piece handset, speech network IC controlled. With last number redial, 10 memories, tone/pulse switch, ringer on/off switch and led line indicator. Optional wall/desk cradle available. Standard color is ash.  
 Austel Permit # A93/33/0392  
 BOX 1/30]

CAT#
F6000

## 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

## 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



# 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 meter 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

## Sangean ATS-818CS Shortwave Receiver



Quality shortwave AM/FM receiver with built-in cassette recorder.  
 Continuous AM tuning from 150kHz to 29.999MHz • Covers SW band from 120cm to 11m • FM band 87.5MHz to 108MHz  
 • large 3 color LCD for tuning • direct keypad tuning • 45 memory presets • BFO control  
 • dual time display • 60 minute sleep timer  
 • stereo headphone socket • AC adaptor included. Other Sangean shortwave receiver models are also stocked.  
 [BOX 1/6]

**CAT#**  
C6035

## 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

## 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

## 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 indicates compliance with EMI standards.

## Popular AC Adaptors Stocked

This table outlines 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	
	24V DC 2200mA		

## Switch Mode PSU



25W and 43W cases available to meet output current requirements. Fitted with input socket for connection of IEC mains cord. Input voltage range from 95V to 270V AC.

Energy Approval # N13876  
[BOX 1/30]

## EI-35 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.

Dimensions 43(W) x 58(H) x 38(D) mm  
Energy Approval # N14077  
[BOX 1/25/50]

## EI-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 maximum capacity, AC or DC output voltages 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]

## EI-41 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

Dimensions 48(W) x 58(H) x 41(D) mm  
Energy Approval # N14257  
[BOX 1/25/50]

## 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]

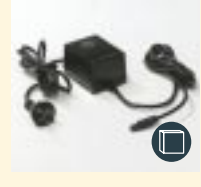
## EI-48 AC Adaptor



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]

## EI-57 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

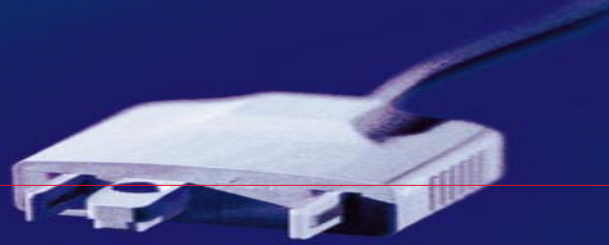
input cord fitted with mains plug compliant with dimensional requirements of AS3112. Dimensions 67(W) x 88(H) x 58(D) mm  
Energy Approval # N13285  
[BOX 1/10/20]

## EI-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]



## IEC Power Cord



10 Amp AC power cord as used on most computers and office equipment. Standard length is 1.8 meters. 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
N12237	N12238	N12263
CAT#	LENGTH	COLOR
K3750	1.8 Meter	Black
K3751	1.8 Meter	Ash
K3752	2.5 Meter	Grey
K3753	1.8 Meter	Dark Grey
K3754	1.8 Meter	Light Grey
K3758	3 Meter	Light Grey

## 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 1.8 meters. Fitted with male IEC C14 and female IEC C13 connectors.

[BULK 100]

Energy Approval Numbers		
Plug	Flex	Connector
N13668	N12238	N12263
CAT#	LENGTH	COLOR
K3759	1.8 Meter	Black

## IEC Power Cord with Right Angle Plug



10 Amp AC power cord as used on most computers and office equipment. Standard length is 1.8 meters. 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
N12237	N12238	N12239
CAT#	LENGTH	COLOR
K3755	1.8 Meter	Black

## Appliance Power Cord



2-core light duty power cord as used on some small appliances. Standard length is 1.8 meters. 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
N12428	N13034	N14363
CAT#	LENGTH	COLOR
K3762	1.8 Meter	Black

## 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 meters. Fitted with IEC connector and 110V U.S.A. 3-pin mains plug.

[BULK 100]

CAT#	LENGTH	COLOR
K3764	1.8 Meter	Black

## High Temp IEC Appliance Cord

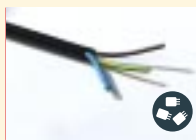


10 Amp AC hot appliance cord with elastomer flex as required many kitchen appliances. Standard length is 1 meter. Fitted with hot type notched IEC C15 connector and Australian 3-pin mains plug which meets current dimensional requirements of AS3112.

[BULK 100]

Energy Approval Numbers		
Plug	Flex	Connector
N15440	Q93123	N15740
CAT#	LENGTH	COLOR
K3741	1 Meter	Black

## Australian 3-Core Mains Flex



0.75mm<sup>2</sup> or 1.0mm<sup>2</sup> ordinary duty 3-core mains flex fitted with Australian 3-pin mains plug which meets current dimensional

requirements of AS3112. Custom lengths, colors, striping lengths and terminals available.

[BULK]

Energy Approval Numbers	
Plug	Flex
N12237	N12238

## Australian 2-Core Mains Flex



0.75mm<sup>2</sup> light duty 2-core mains flex fitted with Australian 2-pin mains plug which meets current dimensional requirements of AS3112. Custom

lengths, colors, striping lengths and terminals available.

[BULK]

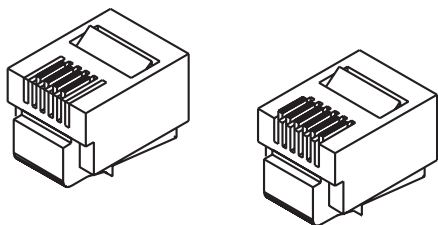
Energy Approval Numbers	
Plug	Flex
N12428	N13034

# Reference

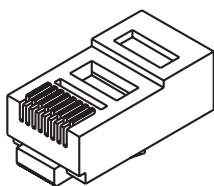
## Modular Plug/Jack Types & Terminology

**There are several modular jack sizes and variations.**

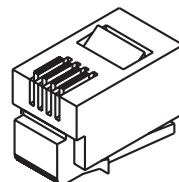
**6 Position:** The 6 position modular plug is most commonly used for line cords in voice applications and is often referred to as RJ11 or RJ12. The 6 position polycarbonate body can be loaded with only the centre 2 or 4 gold contacts or can be fully loaded with all 6 contacts. For basic 2 wire voice 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.



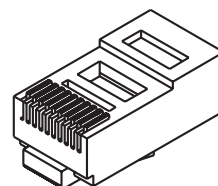
**8 Position:** The 8 position modular plug is now becoming the standard for data and voice applications. This jack is usually referred to as RJ45. The plug body is usually supplied with all 8 gold contacts loaded is should be correctly referred to as 8P8C. For basic voice line cords the plug may be 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.



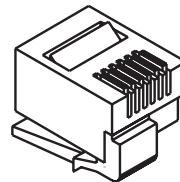
**4 Position:** The 4 position (4P4C) is narrower than the 6 position and usually only used on coiled telephone handset cords although occasionally used for other applications.



**10 position:** The 10 position (10P10C) modular plug has 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.



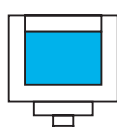
We recommend adoption of 8P8C, 6P4C terminology when describing modular plugs and jacks. This is a definite way to avoid confusion between similar plugs. The codes RJ11, RJ12, RJ45 and other RJ (Registered Jack) numbers actually specify various wiring configurations used in the USA, not actual Plug or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

## Other Plug Variations (exist for all plug types)

### Round or Flat Cord Entry



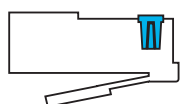
Round Cord entry



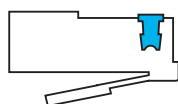
Flat Cord entry

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 Conductor Contact



Stranded Conductor Contact

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 m" (Microinches) or sometimes in microns and various grades are sold.

#### Thickness of Contact Gold Plating

MICROINCH	MICRONS	COMMENTS
6μ"	0.15μm	Not recommended. Sometimes used on poor quality or unapproved telephones.
15μ"	0.38μm	The minimum quality for satisfactory voice connections. Unsuitable for data
30μ"	0.76μm	Satisfactory for voice connections and low speed data only.
50μ"	1.27μm	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

# Reference

## Cable Categories

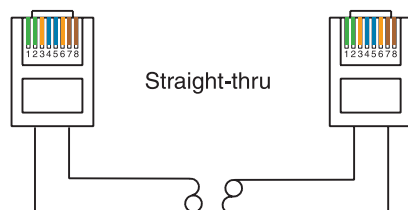
equipment. Most data equipment uses *straight-thru*. Voice applications will often tolerate either polarity, although *cross-over* wiring is more common, particularly for Key Telephone Stations. Other accessories such as couplers and double adaptors may also be wired *straight-thru* or *cross-over*.

### 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*.



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

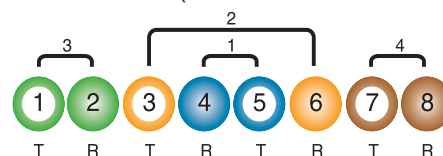
### Category 5 Color Sequence

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.

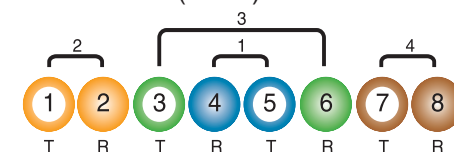
PAIR	COLOR
1	White/Blue
2	White/Orange
3	White/Green
4	White/Brown

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.

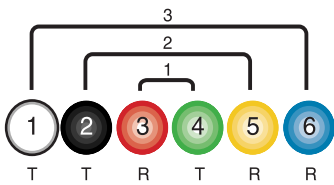
### TIA/EIA 568A (Preferred Australian System)



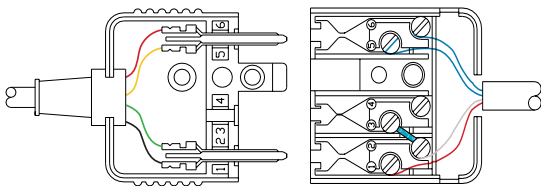
### TIA/EIA 568B (AT&T)



### 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

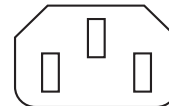
NUMBER	FUNCTION
018 018 222	To obtain the number of line you are using (All lines including mobiles)
11 566	Service tones information recording
127 11	Confirms long distance carrier pre-selection
127 220	Confirms CND send status
127 2312	To obtain number of line you are using (Optus lines only )
18 31	Prefix to Block CND (Calling Number Display)
18 32	Prefix to Force Send CND (Calling Number Display)
19 9	Dial & Hang-up to test ring-back of phone
19 123	To obtain the number of line you are using (Telstra lines)
*#31#	Confirms CND send status

### Power Plug Types

C7 Appliance Connector



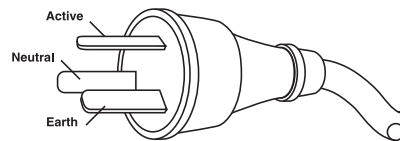
C13 IEC Connector



C15 Hi-Temp IEC Appliance Connector



### 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

### 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.

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



# Reference

## Approvals, Permits and 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, the 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.

All equipment connected to an Australian Telecommunications Network must comply with ACA regulations and be labelled with the new A-Tick or C-Tick mark and an ACA Suppliers Code or an Austel Permit Number. Regulations in this area in a constantly changing and all new equipment tested after June 30 1998 which is ACA compliant must be marked with the A-tick and ACA supplier code number.



N692



N692 or  
A96/0182










A96/PL/0076

## Electrical Safety

Power cords and AC adaptors for use in Australia must be safety 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). A safety certificate issued in any state is recognised Australia wide. The certificate number must be marked on the product Eg **N13816**. C-Tick markings may also appear on an AC adaptor and show compliance with EMI standards.

## Product Packaging Icons and Carton Quantities

Many of our products are available in packaging types. Icons appear next to each item in our catalog to indicate which options are available for that particular product. The number above the icon shows quantity in each master carton. 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.

## Merchandising

Display stand

