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## Allen Tel Test Lab

Allen Tel is committed to standards-based interoperability, allowing customers the choice they require in their structured cabling systems.

Conducted by RCDD-certified structured cabling specialists, Allen Tel utilizes state-of-the-art test equipment to ensure that our products exceed industry standards. Copper and fiber products are regularly tested for channel performance with the industry's leading cable manufacturers.



## Quality Control

Quality control has long been imperative at Allen Tel. Our full line of telephone solutions are routinely tested for quality assurance.



## Customization & Kitting



All the quality products and services which have been part of Allen Tel's legacy since 1952 are always available.

- Custom configurations of fiber and copper patch cords are regularly manufactured
- Custom plating, engraving, colors and silk-screens help differentiate components
- Kitting services can solve on-the-job requirements

Allen Tel Products, Inc. is a leading manufacturer of standards-based structured cabling products to worldwide markets, serving the telecommunications industry since 1952. From engineering to finished goods, Allen Tel provides real solutions for every bit of voice/data.

## Designed to Perform

We offer a comprehensive line of specification grade copper and fiber solutions for multimedia network connectivity applications. All of our products are designed to provide quality performance and installation ease, resulting in interoperable, cost-effective, reliable solutions.

## Channel Performance Testing

Products are regularly tested in-house and at independent nationally recognized test labs (NRTL) to assure performance with the widest range of interoperable solutions.

## Product Features

- Modular Design
- Multimedia Applications
- High Quality and Reliability
- Increased Performance
- Versatility
- Meets and Exceeds TIA/EIA Standards
- Custom Manufacturing, Kitting, & Packaging Available
- RoHS Compliant

## Servicing a Wide Spectrum of Industry

- Contractor
- Industrial
- Building Automation
- Commercial
- Service Provider / Telephone Companies
- Residential
- Broadband Utilities
- Government
- Security



*"Our goal is to continue expanding product offerings and capabilities while providing the highest standard of quality and service to all our customers."*



# Certified Installer Program

## Product Performance

Allen Tel Products, Inc. Certified Installer Program was created to provide the end user with additional assurance of product performance and integrity of the installation.

## Training & Support

The Installer Program provides professional design and installation companies with the necessary training and support required to install and maintain Allen Tel connectivity solutions. Installation of Allen Tel connectivity products will meet or exceed applicable performance requirements as defined in the current TIA/EIA industry standards.

***The Allen Tel Products, Inc. Certified Installer Program offers the following overview for participating contractors:***

- Current TIA/EIA Standards
- Tested with the Industry's leading Cable Manufacturers
- Hands-on Product Training
- Profitability Advantage
- 25 Year Performance Warranty
- BICSI Continuing Education Credits
- RCDD on Staff





Our customers remain the best source for recommending new products and services. Here are some examples of recent additions at Allen Tel.



**Cat 5e, Cat 6, and Cat 6A  
E-Z Shielded Jack Modules**  
Pages 23, 24, 26



**Cat 5, 6 and 6A  
Shielded Couplers**  
Pages 23, 25, 27



**HDMI and USB Couplers**  
Pages 32, 33



**Fiber Adapter-SC  
Cover Door**  
Page 33



**Residential MDU  
(Multiple Dwelling Unit)**  
Pages 53, 54, 55



**Compact MDU  
(Multiple Dwelling Unit)**  
Page 56



**Mini MDU  
(Multiple Dwelling Unit)**  
Page 57

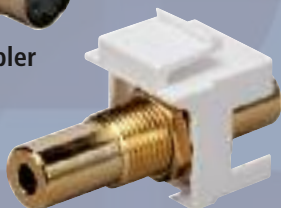


**Wire Management**  
Page 63

# New Products from Allen Tel



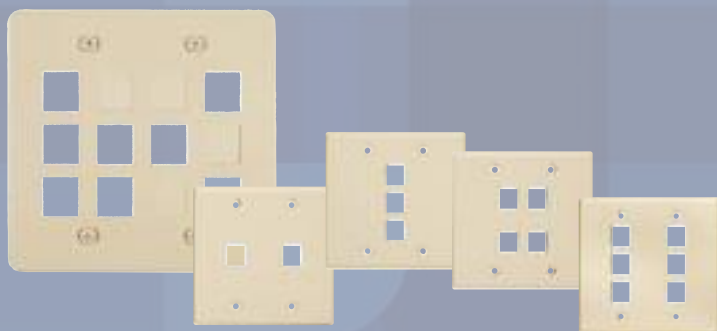
**S Video Coupler**  
Page 31



**Stereo F to F Coupler 3.5mm**  
Page 33



**Multimedia Inserts**  
Pages 28, 29



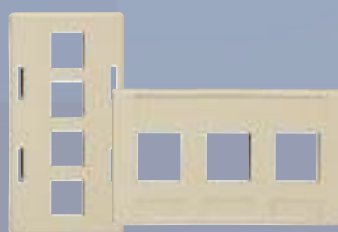
**Versatap Double Gang Faceplates**  
Page 37



**Stainless Steel Faceplates with I.D. Windows**  
Page 38



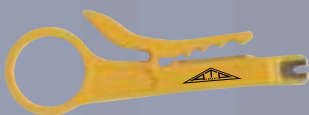
**Versatap 45° Angled Faceplates**  
Page 37



**Furniture Faceplates**  
Page 40



**VoIP Faceplates**  
Page 51



**Cable Jacket Stripper**  
Page 35, 73



**Mini Termination Tool**  
Page 35, 73

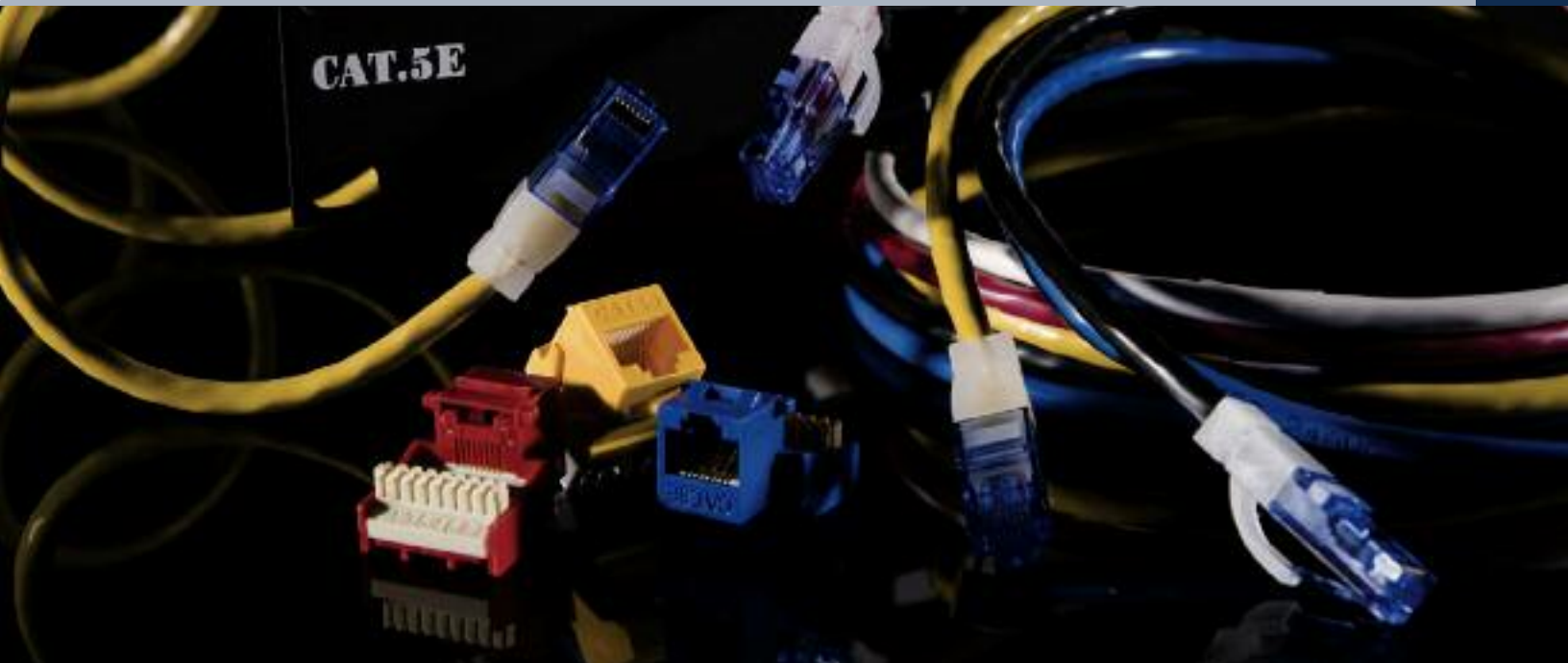


**Non-Metallic Enclosures**  
Page 93



**Super B Connectors**  
Page 81

# Cat 5e Complete Product Line



## Serving Telecommunications Since 1952

Allen Tel Products, Inc. is a leading manufacturer of standards-based structured cabling products to world markets, serving the telecommunications industry since 1952. As an active member of the Telecommunications Industry Association (TIA), our staff has participated on TIA standards committees, and holds BICSI RCDD (Registered Communication Distribution Design) certification.

## Category 5e Solutions

The Allen Tel Category 5e solution delivers second-to-none connectivity assurance. Our products exceed the industries standards and are inter-operable with all standards based cable manufacturers. As with all Allen Tel solutions, they are designed to provide quality performance and installation ease, resulting in cost effectiveness and reliability.



### Cable ID: Allen Tel Products 5e Solution

Date / Time: 10/13/2015 11:44:23 AM  
Headroom: 7.1 dB (NEXT 12-78)  
Test Limit: TIA Cat 5e Channel  
Cable Type: Cat 5e U/UTP  
Calibration Date: 08/19/2015

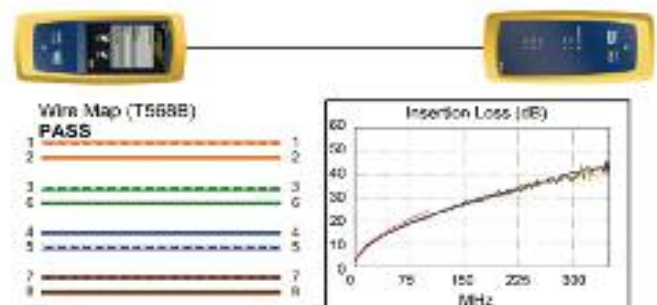
Operator: Melvin Owens  
Software Version: V4.2 Build 6  
Limits Version: V4.2  
NVP: 89.0%

### Test Summary: PASS

Model: DSX-5000  
Main S/N: 3114134  
Remote S/N: 2969249  
Main Adapter: DSX-CHA004  
Remote Adapter: DSX-CHA004

## Designed to Perform

- Every Allen Tel Category 5e patch panel, patch cord and modular jack is manufactured to exceed TIA/EIA-568-B.2 standards.
- Allen Tel products are regularly tested in-house and at independent, nationally recognized test labs (NRLT) to assure performance with the widest range of interoperable solutions.
- 25 Year Performance Warranty through Allen Tel Certified Installers.





# Cat 5e Complete Product Line

## Cat 5e Jacks & Couplers

### Cat 5e E-Z Jack Module

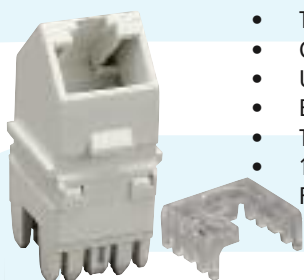


- The same E-Z Tool accommodates every E-Z Jack. E-Z Jacks also accept single punch tools
- Compatible with Versatap panels, faceplates and surface mount boxes
- Universal wiring for either 568A or 568B wiring schemes
- Exceeds TIA/EIA 568-B Category 5e standards
- Termination cap provides excellent strain relief, helps control cable bend radius and securely retains wires
- 110 Termination, with color coded wiring diagram
- Full array of colors

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT65EZ-XX	Cat 5e E-Z Jack Module	1	50

XX Colors: 00-Black; 04-Yellow; 05-Green; 09-Ivory; 14-Grey; 15-White; 16-Orange; 20-Blue; 28-Purple; 47-Red; 52-El Ivory

### Cat 5e Angled E-Z Jack Module

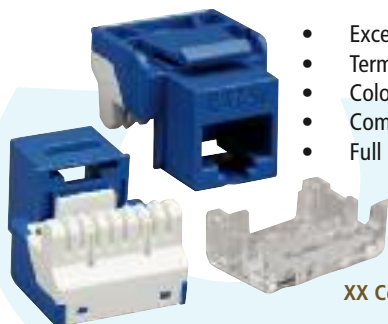


- The same E-Z Tool accommodates every E-Z Jack. E-Z Jacks also accept single punch tools
- Compatible with Versatap panels, faceplates and surface mount boxes
- Universal wiring for either 568A or 568B wiring schemes
- Exceeds TIA/EIA 568-B Category 5e standards
- Termination cap provides excellent strain relief, helps control cable bend radius and securely retains wires
- 110 Termination, with color coded wiring diagram
- Full array of colors

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT65EZ-AGL-XX	Cat 5e Angled E-Z Jack Module	1	50

XX Colors: 00-Black; 04-Yellow; 05-Green; 09-Ivory; 14-Grey; 15-White; 16-Orange; 20-Blue; 47-Red; 52-El Ivory

### Cat 5e Jack Module



- Exceeds TIA/EIA-568-B Category 5e standard
- Termination cap provides excellent strain relief, helps control cable bend radius and securely retains wires
- Color coded for T568A and T568B wiring schemes
- Compatible with Versatap modular patch panels, faceplates and surface mount boxes
- Full array of colors

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT55-XX	Cat 5e, 8 pos., 8 cond. Jack Module	1	50

XX Colors: 00-Black; 04-Yellow; 05-Green; 09-Ivory; 14-Grey; 15-White; 16-Orange; 20-Blue; 47-Red; 52-El Ivory

### Cat 5e High Density Jack Module



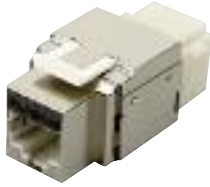
- Exceeds TIA/EIA-568-B Category 5e standard
- Compatible with Versatap modular patch panels (ATPNL-XX Series, page 64), faceplates and surface mount boxes
- Termination cap provides excellent strain relief, helps control cable bend radius and securely retains wires
- 110 Termination
- Full array of colors

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT65-XX	Cat 5e, 8 pos., 8 cond. Jack Module	1	50

XX Colors: 00-Black; 04-Yellow; 05-Green; 09-Ivory; 14-Grey; 15-White; 16-Orange; 20-Blue; 47-Red; 52-El Ivory

# Cat 5e Complete Product Line

## Cat 5e Shielded High Density Jack Module



- Designed to exceed TIA/EIA-568-B Category 5e standard
- Meets TIA/EIA shielding effectiveness requirement
- Color coded for T568A and T568B wiring schemes
- Termination cap provides excellent strain relief, helps control cable bend radius and securely retains wires
- Compatible with Versatap modular patch panels, faceplates and jack housings except AT33 and AT44 surface jack housings

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT65SH	Cat 5e, 8 pos., 8 cond. Jack Module with shield	1	50



## Cat 5e E-Z Shielded Jack Module



- Designed to exceed TIA/EIA-568-B Category 5e standard
- The same E-Z Tool accommodates every E-Z Jack. E-Z Jacks also accept single punch tools
- Meets TIA/EIA shielding effectiveness requirement
- Color coded for T568A and T568B wiring schemes
- Termination cap provides excellent strain relief, helps control cable bend radius and securely retains wires
- Compatible with Versatap modular patch panels, faceplates and jack housings except AT33 and AT44 surface jack housings

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT65SH-EZ	Cat 5e E-Z Shielded Jack Module	1	70

## Cat 5e Shielded Jack Module



- Exceeds TIA/EIA-568-B Category 5e standard
- Meets TIA/EIA shielding effectiveness requirement
- Color coded for T568A and T568B wiring schemes
- Termination cap provides excellent strain relief, helps control cable bend radius and securely retains wires
- Compatible with Versatap modular patch panels, faceplates and jack housings except AT33 and AT44 surface jack housings

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT55SH-09	Cat 5e, 8 pos., 8 cond. Jack Module with shield	1	50



## Cat 5e Shielded Coupler



- Designed for ATPNL Series of Versatap Patch Panels
- Wired pin to pin

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT65C-SH	Cat 5e Shielded Coupler	1	100

Will not fit Versatap Surface Mounting Boxes or Angled Versatap Faceplates

## Cat 5e Coupler



- Designed for ATPNL Series of Versatap Patch Panels
- Wired pin to pin

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT55C-XX	Cat 5e Coupler	1	100

Will not fit Versatap Surface Mounting Boxes or Angled Versatap Faceplates

XX Colors: 00-Black; 15-White

# Cat 5e Complete Product Line

## Cat 5e Patch Panels

### Category 5e Patch Panels

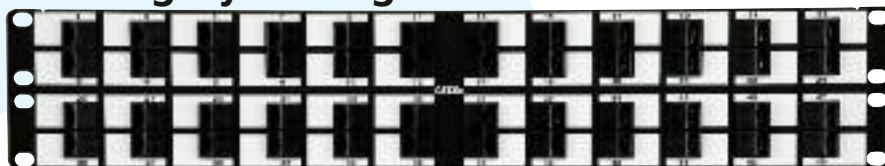


- Exceeds TIA/EIA Category 5e standard
- Wire management on rear of panel
- Includes AT55CSB cable support bars
- Universal wiring for either 568A or 568B
- 110 termination



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT55B-PNL-12	12 Port Cat 5e Patch Panel 1.75"H, 1 RU	1	30
AT55B-PNL-24	24 Port Cat 5e Patch Panel 1.75"H, 1 RU	1	15
AT55B-PNL-32	32 Port Cat 5e Patch Panel 3.50"H, 2 RU	1	10
AT55B-PNL-48	48 Port Cat 5e Patch Panel 3.50"H, 2 RU	1	10
AT55B-PNL-64	64 Port Cat 5e Patch Panel 7.00"H, 4 RU	1	5
AT55B-PNL-96	96 Port Cat 5e Patch Panel 7.00"H, 4 RU	1	5

### Category 5e Angled Patch Panels



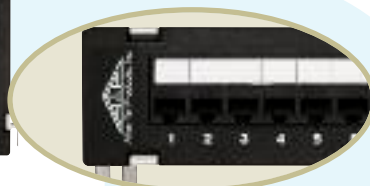
- Exceeds TIA/EIA-568-B Category 5e standards
- Port identification options include additional write-on area
- Heavy duty wire management swivels up and down for easier cable management
- Universal wiring for either 568A or 568B wiring schemes
- Includes mounting hardware and cable ties
- 110 termination



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT55B-PNL-AGL24	24 Port Cat 5e Angled Patch Panel	1	15
AT55B-PNL-AGL48	48 Port Cat 5e Angled Patch Panel	1	15

### Category 5e, 12 Port Patch Panel

- Designed for small voice and data cross-connect applications
- Equipped with two 6 port Category 5e non-keyed jack modules
- Universal wiring for either 568A or 568B
- Includes GB89D mounting bracket
- 110 Termination



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT55B-12PT	12 Port Cat 5e Patch Panel	1	30



# Cat 5e Complete Product Line

## Category 5e, 12 Port Patch Box

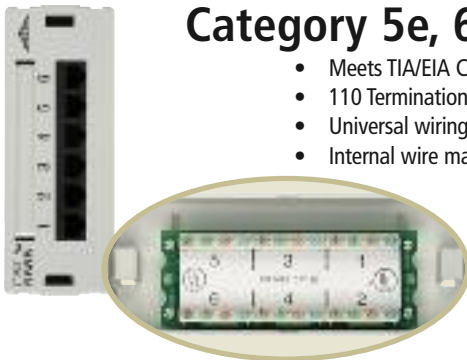
- 110 Termination
- Universal wiring for either 568A or 568B
- Multiple cable entries
- Hinged design for easier termination
- ID strips with removable window
- Includes GB89D mounting bracket



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT55B-12P	12 Port Cat 5e Patch Box	1	18

## Category 5e, 6 Port Patch Box

- Meets TIA/EIA Category 5e standard
- 110 Termination
- Universal wiring for either 568A or 568B
- Internal wire management
- Designation strips with protective cover
- Includes adhesive tape & mounting screws

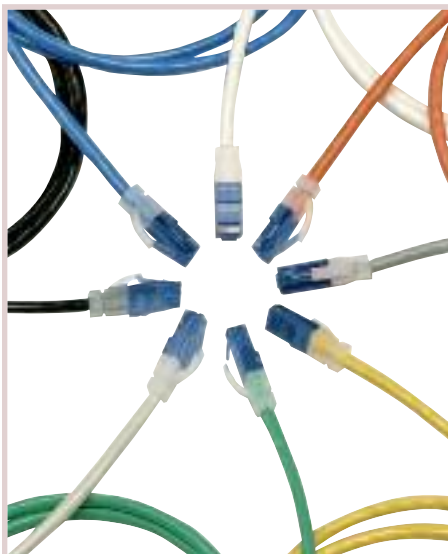


Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT55B-6P	6 Port Cat 5e Patch Box	1	40

# Cat 5e Patch Cords

## Category 5e Patch Cords

- Exceeds TIA/EIA Category 5e standard (Wired 568B)
- 100% tested and approved for Category 5e channel compliance
- Custom colors and lengths available upon request
- Snagless
- Variety of colors
- 155 MHz



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT1501EV-XX	Cat5e Patch Cord 1ft	25	500
AT1502EV-XX	Cat5e Patch Cord 2 ft	25	400
AT1503EV-XX	Cat5e Patch Cord 3 ft	25	300
AT1504EV-XX	Cat5e Patch Cord 4 ft	25	300
AT1505EV-XX	Cat5e Patch Cord 5 ft	25	250
AT1507EV-XX	Cat5e Patch Cord 7 ft	25	200
AT1510EV-XX	Cat5e Patch Cord 10 ft	25	150
AT1514EV-XX	Cat5e Patch Cord 14 ft	25	100
AT1515EV-XX	Cat5e Patch Cord 15 ft	1	100
AT1518EV-XX	Cat5e Patch Cord 18 ft	1	80
AT1520EV-XX	Cat5e Patch Cord 20 ft	1	70
AT1525EV-XX	Cat5e Patch Cord 25 ft	1	65
AT1550EV-XX	Cat5e Patch Cord 50 ft	1	30
AT15100EV-XX	Cat5e Patch Cord 100 ft	1	15

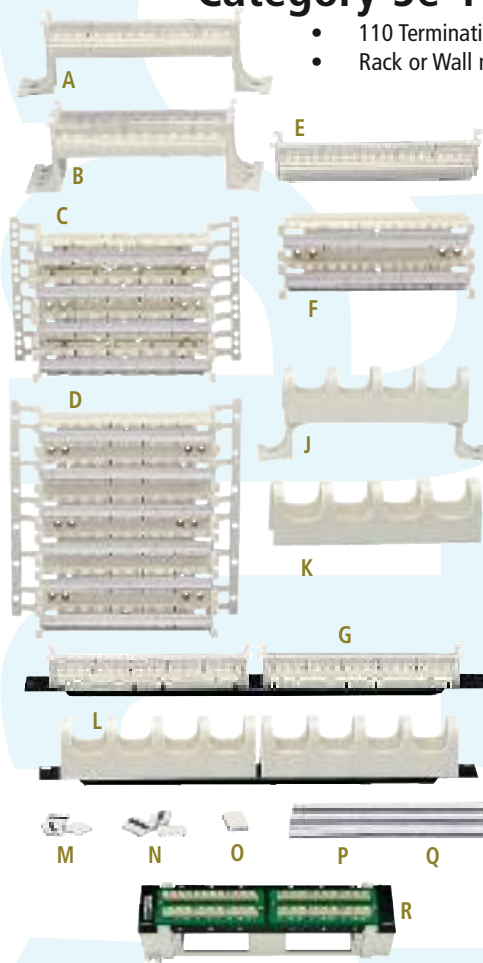
XX Colors: WH-White, YL-Yellow, BU-Blue, RD-Red, GY-Grey, I-Ivory, BK-Black, GN-Green, OR-Orange, P-Purple

# Cat 5e Complete Product Line

## Cat 5e 110 Solutions

### Category 5e 110 System

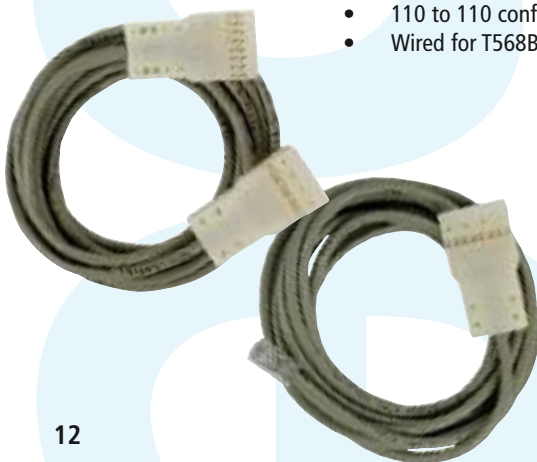
- 110 Termination
- Rack or Wall mount
- Exceeds TIA/EIA Cat 5e Standards
- All bases and kits include labels and strip holders



	Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
A	GB110BK-50	50 Pair Block with legs, includes labels	6	60
B	GB110BK-100	100 Pair Block with legs, includes labels	3	30
C	GB110BK-200	200 Pair Block with legs, includes labels	1	10
D	GB110BK-300	300 Pair Block with legs, includes labels	1	10
E	GB110B-50	50 Pair Low Profile w/o legs, includes labels	40	160
F	GB110B-100	100 Pair Low Profile w/o legs, includes labels	17	68
G	GB110P-100	19" 100 Pair 110 Wiring Panel, includes labels, 1 RU	1	15
H	GB110P-200	19" 200 Pair 110 Wiring Panel, includes labels, 2 RU	1	10
I	GB110P-300	19" 300 Pair 110 Wiring Panel, includes labels, 3 RU	1	10
J	GB110FK	Horizontal Cord Manager with legs	1	25
K	GB110F	Horizontal Cord Manager without legs	1	50
L	GB110FP	19" Panel e/w two GB110F	1	20
M	GB110-C3	3 Pair Connector	10	100
N	GB110-C4	4 Pair Connector	10	100
O	GB110-C5	5 Pair Connector	10	100
P	GB110PH	Label Holder	6	6
Q	GB110PS	White Labels	6	6
R	GB110-12WB	12 Port Wiring Block	1	18
	GB100-C4-KIT	100 Pair Block with legs and 25/C4 connectors	3	30
	GB100-C5-KIT	100 Pair Block with legs and 20/C5 connectors	3	30
	GB300-C4-KIT	300 Pair Block with legs and 75/C4 connectors	1	10
	GB300-C5-KIT	300 Pair Block with legs and 60/C5 connectors	1	10

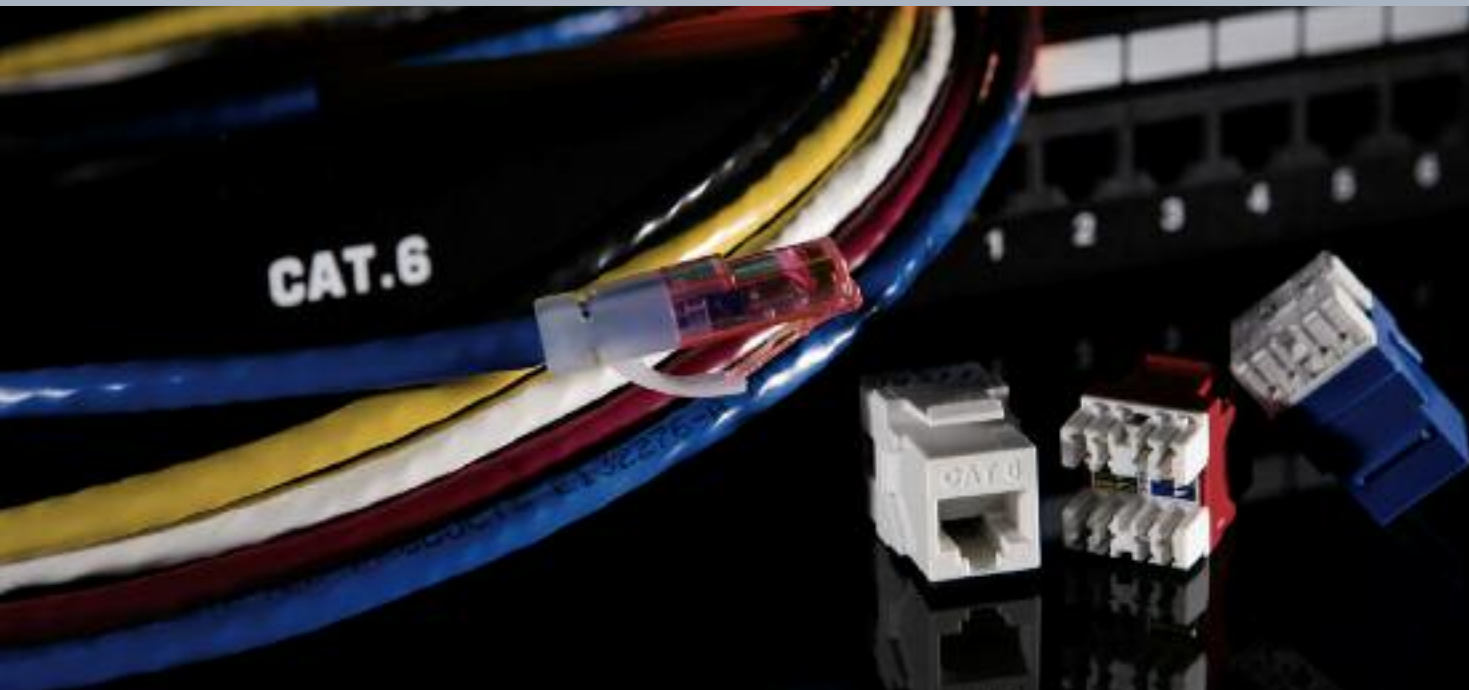
### Category 5e 110 Patch Cords and Plug Assemblies

- 110 to 110 configuration
- 110 to RJ45 modular plug configuration
- Wired for T568B wiring scheme (4 pair)



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GB110PC4-03	110 to 110 3 ft	1	1
GB110PC4-05	110 to 110 5 ft	1	1
GB110PC4-07	110 to 110 7 ft	1	1
GB110PC4-10	110 to 110 10 ft	1	1
GB110PC4-15	110 to 110 15 ft	1	1
GB110PC45-03	110 to RJ45 3 ft	1	1
GB110PC45-05	110 to RJ45 5 ft	1	1
GB110PC45-07	110 to RJ45 7 ft	1	1
GB110PC45-10	110 to RJ45 10 ft	1	1
GB110PC45-15	110 to RJ45 15 ft	1	1

# Cat 6 Complete Product Line



## Serving Telecommunications Since 1952

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## Category 6 Solutions

The Allen Tel Category 6 solution delivers second-to-none connectivity assurance. Our products exceed the industries standards and are interoperable with all standards based cable manufacturers. As with all Allen Tel solutions, they are designed to provide quality performance and installation ease, resulting in cost effectiveness and reliability.



### Cable ID: Allen Tel Products Cat6 Solutions

Date / Time: 11/06/2015 12:27:39 PM  
Headroom: 6.1 dB (NEXT 12-78)  
Test Limit: TIA Cat 6 Channel  
Cable Type: Cat 6 U/UTP  
Calibration Date: 08/19/2015

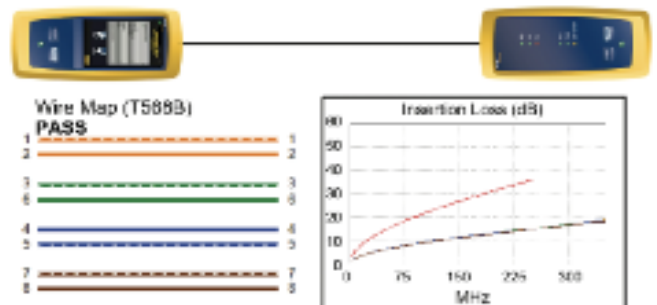
Operator: Melvin Owens  
Software Version: V4.2 Build 6  
Limits Version: V4.2  
NVP: 69.0%

### Test Summary: PASS

Model: DSX-5000  
Main S/N: 3114134  
Remote S/N: 2909249  
Main Adapter: DSX-CHA004  
Remote Adapter: DSX-CHA004

## Designed to Perform

- Every Allen Tel Category 6 patch panel, patch cord and modular jack is manufactured to exceed TIA/EIA-568-B.2-1 standards.
- Allen Tel products are regularly tested in-house and at independent, nationally recognized test labs (NRLT) to assure performance with the widest range of interoperable solutions.
- 25 Year Performance Warranty through Allen Tel Certified Installers.





# Cat 6 Complete Product Line

## Cat 6 Jacks & Couplers

### Cat 6 E-Z Jack Module

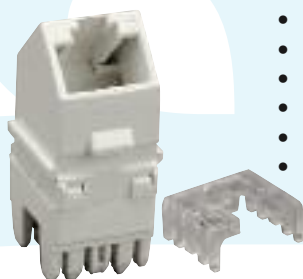


- The same E-Z Tool accommodates every E-Z Jack. E-Z Jacks also accept single punch tools
- Compatible with Versatap panels, faceplates and surface mount boxes
- Universal wiring for either 568A or 568B wiring schemes
- Exceeds TIA/EIA 568-B Category 6 standards
- 110 Termination, with color coded wiring diagram
- Full array of colors

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT66EZ-XX	Cat 6 E-Z Jack Module	1	50

XX Colors: 00-Black; 04-Yellow; 05-Green; 09-Ivory; 14-Grey; 15-White; 16-Orange; 20-Blue; 28-Purple; 47-Red; 52-El Ivory

### Cat 6 E-Z Angled Jack Module

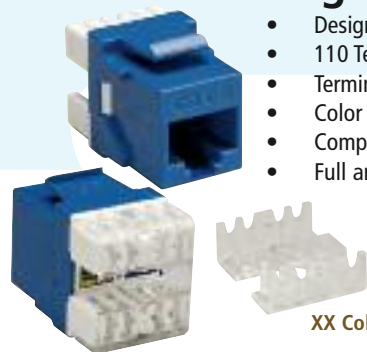


- The same E-Z Tool accommodates every E-Z Jack. E-Z Jacks also accept single punch tools
- Compatible with Versatap panels, faceplates and surface mount boxes
- Universal wiring for either 568A or 568B wiring schemes
- Exceeds TIA/EIA 568-B Category 6 standards
- Termination cap provides excellent strain relief, helps control cable bend radius and securely retains wires
- 110 Termination, with color coded wiring diagram
- Full array of colors

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT66EZ-AGL-XX	Cat 6 Angled E-Z Jack Module	1	50

XX Colors: 00-Black; 04-Yellow; 05-Green; 09-Ivory; 14-Grey; 15-White; 16-Orange; 20-Blue; 47-Red; 52-El Ivory

### Cat 6 High Density Jack Module

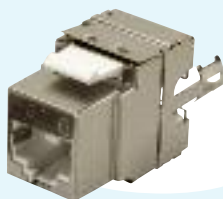


- Designed to exceed TIA/EIA-568-B.2-1 Category 6 standard
- 110 Termination
- Termination cap provides excellent strain relief, helps control cable bend radius and securely retains wires
- Color coded for T568A and T568B wiring schemes
- Compatible with Versatap modular patch panels, faceplates and surface mount boxes
- Full array of colors

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT66-XX	Cat 6, 8 pos., 8 cond. Jack Module	1	50

XX Colors: 00-Black; 04-Yellow; 05-Green; 09-Ivory; 14-Grey; 15-White; 16-Orange; 20-Blue; 47-Red; 52-El Ivory

### Cat 6 Shielded High Density Jack Module



- Designed to exceed TIA/EIA-568-B.2-1 Category 6 standard
- Meets TIA/EIA shielding effectiveness requirement
- Termination cap provides excellent strain relief, helps control cable bend radius and securely retains wires
- Compatible with Versatap modular patch panels, faceplates and jack housings

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT66SH	Cat 6, 8 pos., 8 cond. Jack Module with shield	1	50

# Cat 6 Complete Product Line



## Cat 6 E-Z Shielded Jack Module



- Designed to exceed TIA/EIA-568-B.2-1 Category 6 standard
- The same E-Z Tool accommodates every E-Z Jack. E-Z Jacks also accept single punch tools
- Meets TIA/EIA shielding effectiveness requirement
- Termination cap provides excellent strain relief, helps control cable bend radius and securely retains wires
- Compatible with Versatap modular patch panels, faceplates and jack housings except AT33 and AT44 surface jack housings

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT66SH-EZ	Cat 6 E-Z Shielded Jack Module	1	70



## Cat 6 Shielded Coupler



- Designed for ATPNL Series of Versatap Patch Panels
- Wired pin to pin

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT66C-SH	Cat 6 Shielded Coupler	1	100

Will not fit Versatap Surface Mounting Boxes or Angled Versatap Faceplates

## Cat 6 Coupler



- Designed for ATPNL Series of Versatap Patch Panels
- Wired pin to pin
- Black housing

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT66C-XX	Cat 6 Coupler	1	100

XX Colors: 00-Black; 04-Yellow; 15-White; 47-Red

Will not fit Versatap Surface Mounting Boxes or Angled Versatap Faceplates

# Cat 6 Patch Cords

## Category 6 Patch Cords

- Designed to Exceeds TIA/EIA-68-B.2-1 Category 6 standard
- 100% tested and approved for Category 6 channel compliance
- Custom colors and lengths available upon request
- Snagless
- 350 MHz



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT1601-XX	Cat6 Patch Cord 1ft	25	400
AT1602-XX	Cat6 Patch Cord 2ft	25	300
AT1603-XX	Cat6 Patch Cord 3ft	25	200
AT1604-XX	Cat6 Patch Cord 4ft	25	175
AT1605-XX	Cat6 Patch Cord 5ft	25	175
AT1607-XX	Cat6 Patch Cord 7ft	25	150
AT1610-XX	Cat6 Patch Cord 10ft	25	100
AT1614-XX	Cat6 Patch Cord 14ft	25	75
AT1615-XX	Cat6 Patch Cord 15ft	1	75
AT1618-XX	Cat6 Patch Cord 18ft	1	60
AT1620-XX	Cat6 Patch Cord 20ft	1	50
AT1625-XX	Cat6 Patch Cord 25ft	1	40
AT1650-XX	Cat6 Patch Cord 50ft	1	20
AT16100-XX	Cat6 Patch Cord 100ft	1	10

XX Colors: WH-White, YL-Yellow, BU-Blue, RD-Red, GY-Grey, I-Ivory, BK-Black, GN-Green, OR-Orange, P-Purple

# Cat 6 Complete Product Line

## Cat 6 Patch Panels

### Category 6 Patch Panels



- Exceeds TIA/EIA Category 6 standards
- Wire management on rear of panel
- 110 termination
- Universal wiring for either 568A or 568B wiring schemes
- Includes mounting hardware and cable ties



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT66-PNL-12	12 Port Cat 6 Patch Panel, 1.75"H, 1 RU	1	15
AT66-PNL-24	24 Port Cat 6 Patch Panel, 1.75"H, 1 RU	1	15
AT66-PNL-48	48 Port Cat 6 Patch Panel, 3.50"H, 2 RU	1	10
AT66-PNL-96	96 Port Cat 6 Patch Panel, 7.00"H, 4 RU	1	5

### Category 6 Angled Patch Panels



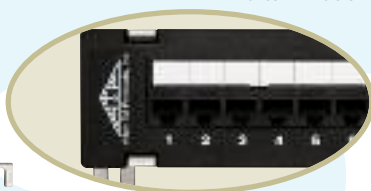
- Exceeds TIA/EIA-568-B Category 6 standards
- Port identification options include additional write-on area
- Heavy duty wire management swivels up and down for easier cable management
- Includes mounting hardware and cable ties
- Universal wiring for either 568A or 568B wiring schemes
- 110 termination



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT66-PNL-AGL24	24 Port Cat 6 Angled Patch Panel	1	15
AT66-PNL-AGL48	48 Port Cat 6 Angled Patch Panel	1	15

### Category 6, 12 Port Patch Panel

- Designed for small data cross-connect applications
- Equipped with two 6 port Cat 6 non-keyed jack modules
- Universal wiring for either 568A or 568B
- Includes GB89D mounting bracket
- 110 termination



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT66-12PT	12 Port Cat 6 Patch Panel	1	18



# Cat 6 Complete Product Line



allentel.com

## Category 6 Connection Box



- Meets TIA/EIA Category 6 standards
- 110 Termination
- Ideal for splicing damaged cable or connecting short runs
- Snap-on cover
- Includes double sided tape and two strain relief brackets

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT66CB-15	Cat 6 Connection Box White	25	200
AT66CB-52	Cat 6 Connection Box El Ivory	25	200

## Category 6, 6 Port Patch Box



- 110 Termination
- Internal wire management
- Designation strips with protective cover
- Universal wiring for either 568A or 568B
- Includes adhesive tape and mounting screws

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT66-6P	6 Port Cat 6 Patch Box	1	70

## Category 6, 12 Port Patch Box



- 110 Termination
- Multiple cable entries
- Universal wiring for either 568A or 568B
- Hinged design for easier termination
- Designation strips with protective cover
- Includes GB89D mounting bracket

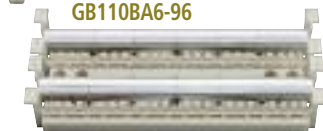
Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT66-12P	12 Port Cat 6 Patch Box	1	18

# Cat 6 110 Solutions

## Category 6 110 System



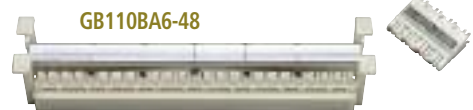
GB110BA6-96



GB110BA6K-48



GB110BA6-48



GB110-C6-4

- 110 Termination
- Exceeds Cat6 TIA/EIA standards
- Rack or wall mount
- Includes designation labels

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GB110BA6K-48	48 Pair Block with legs, includes labels	6	60
GB110BA6K-96	96 Pair Block with legs, includes labels	3	30
GB110BA6K-288	288 Pair Block with legs, includes labels	1	10
GB110BA6-48	48 Pair Low Profile w/o legs, includes labels	40	160
GB110BA6-96	96 Pair Low Profile w/o legs, includes labels	17	68
GB110BA6-288	288 Pair Low Profile w/o legs, includes labels	1	10
GB110BP6W-96	19" 96 Pair Panel, label holders, wire mgmt, 2 RU	1	10
GB110BP6-96	19" 96 Pair Wiring Panel, includes labels, 1 RU	1	15
GB110-C6-4	4 Pair Connector	10	100
GB110PH	Label Holder	6	6
GB110PS	White Labels	6	6

# Cat 6A Complete Product Line



## Serving Telecommunications Since 1952

Allen Tel Products, Inc. is a leading manufacturer of standards-based structured cabling products to world markets, serving the telecommunications industry since 1952. As an active member of the Telecommunications Industry Association (TIA), our staff has participated on TIA standards committees, and holds BICSI RCDD (Registered Communication Distribution Design) certification.

## Category 6A Solutions

The Allen Tel Category 6A solution delivers second-to-none connectivity assurance. Our products exceed the industries standards and are inter-operable with all standards based cable manufacturers. As with all Allen Tel solutions, they are designed to provide quality performance and installation ease, resulting in cost effectiveness and reliability.



### Cable ID: Allen Tel Products Category 6A

Date / Time: 11/09/2015 05:04:34 PM  
Headroom: 6.3 dB (NEXT 36-78)  
Test Limit: TIA Cat 6A Channel  
Cable Type: Cat 6A LWUTP  
Calibration Date: 08/19/2015

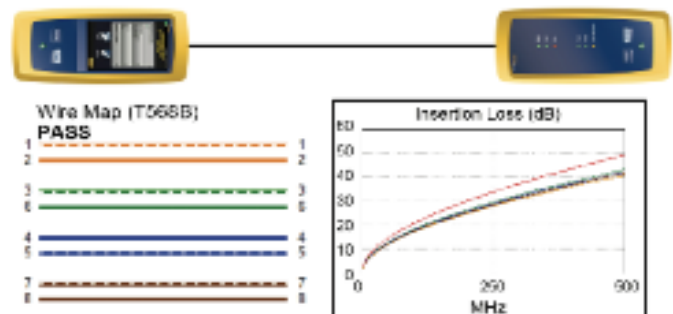
Operator: Melvin Owens  
Software Version: V4.2 Build 6  
Limits Version: V4.2  
NVP: 6B 2%

### Test Summary: PASS

Model: DSX-6000  
Main S/N: 3114134  
Remote S/N: 2989249  
Main Adapter: DSX-CHA004  
Remote Adapter: DSX-CHA004

## Designed to Perform

- Every Allen Tel Category 6A patch panel, patch cord and modular jack is manufactured to exceed TIA/EIA-568-B.2-10 standards.
- Allen Tel products are regularly tested in-house and at independent, nationally recognized test labs (NRTL) to assure performance with the widest range of interoperable solutions.
- 25 Year Performance Warranty through Allen Tel Certified Installers.



## Cat 6A Jacks & Couplers

### 10Gb Cat 6A E-Z Jack Module



- Designed to exceed TIA/EIA-568-B.2-10 Category 6A standard
- The same E-Z Tool accommodates every E-Z Jack. E-Z Jacks also accept single punch tools
- Tested and approved for Category 6A channel compliance
- Terminates 4-pair UTP cable in accordance with TIA/EIA-568-B.2-10
- Isolating cap provides required ANEXT protection
- Color-coded for T568A and T568B wiring schemes
- Compatible with Versatap modular patch panels, faceplates and surface mount boxes
- Termination instructions with each jack
- Full array of colors

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT10G-XX	10Gb Cat 6A Jack Module	1	50

XX Colors: 00-Black; 04-Yellow; 05-Green; 09-Ivory; 14-Grey; 15-White; 16-Orange; 20-Blue; 47-Red; 52-El Ivory



### 10Gb Cat 6A E-Z Shielded Jack Module



- Designed to exceed TIA/EIA-568-B Category 6A standard
- The same E-Z Tool accommodates every E-Z Jack. E-Z Jacks also accept single punch tools
- Meets TIA/EIA shielding effectiveness requirement
- Color coded for T568A and T568B wiring schemes
- Termination cap provides excellent strain relief, helps control cable bend radius and securely retains wires
- Compatible with Versatap modular patch panels, faceplates and jack housings

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT10G-SH-EZ	10Gb Cat 6A Shielded Jack Module	1	70



### 10Gb Cat 6A Shielded Coupler



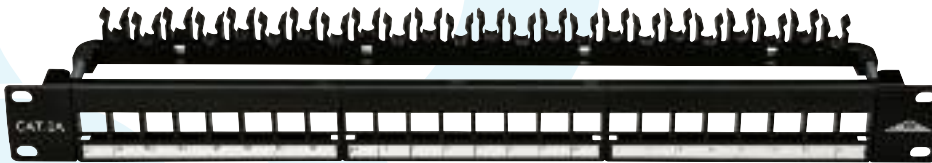
- Designed for ATPNL Series of Versatap Patch Panels
- Wired pin to pin

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT10GC-SH	10Gb Cat 6A Shielded Coupler	1	100

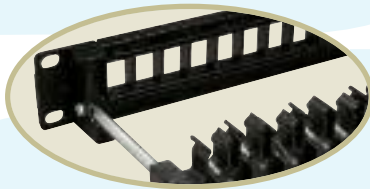
# Cat 6A Complete Product Line

## Cat 6A Patch Panels

### Category 6A 10Gb Patch Panels



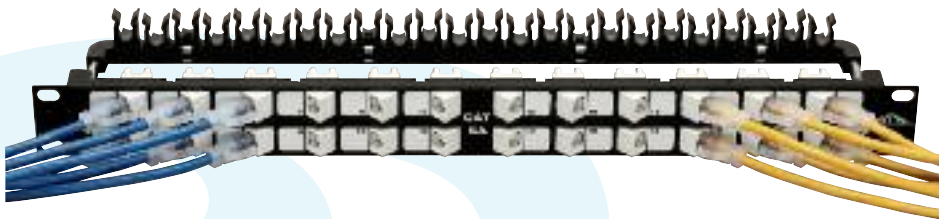
- Designed to exceed TIA/EIA-568-B.2-10 Category 6A standard
- Tested and approved for Category 6A channel compliance
- 110 termination on loaded patch panels
- Cat 6A 10Gb patch cords on page 75; jacks on page 23
- Loaded patch panels have universal wiring for either 568A or 568B
- Panels include mounting hardware, cable ties and identification strip
- Heavy-duty wire management on AT10GPNL-U24 unloaded patch panel swivels up & down for easier cable management
- Designed to support heavier Cat 6A cables



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT10GPNL-U24	24-port unloaded 10Gb Cat 6A multimedia patch panel*	1	1
AT10GPNL-12	12-port loaded 10Gb Cat 6A patch panel	1	1
AT10GPNL-24	24-port loaded 10Gb Cat 6A patch panel	1	1

\* The unloaded patch panel accepts a variety of multimedia Versatap jacks: AT66 (Cat 6) & AT65 (Cat 5e) series, AT31ST (Fiber), AT32F (F-connector), AT31FO (Insert for BNC, RCA & ST connectors), AT32RCA (RCA connectors & couplers), and AT31 (Blank).

### Category 6A 10Gb Angled Patch Panel



- Universal wiring for either 568A or 568B wiring schemes
- Port identification options include additional write-on area
- Heavy duty wire management swivels up and down for easier cable management
- Exceeds TIA/EIA-568-B.2-10 Category 6A standards
- Includes mounting hardware and cable ties
- 110 termination



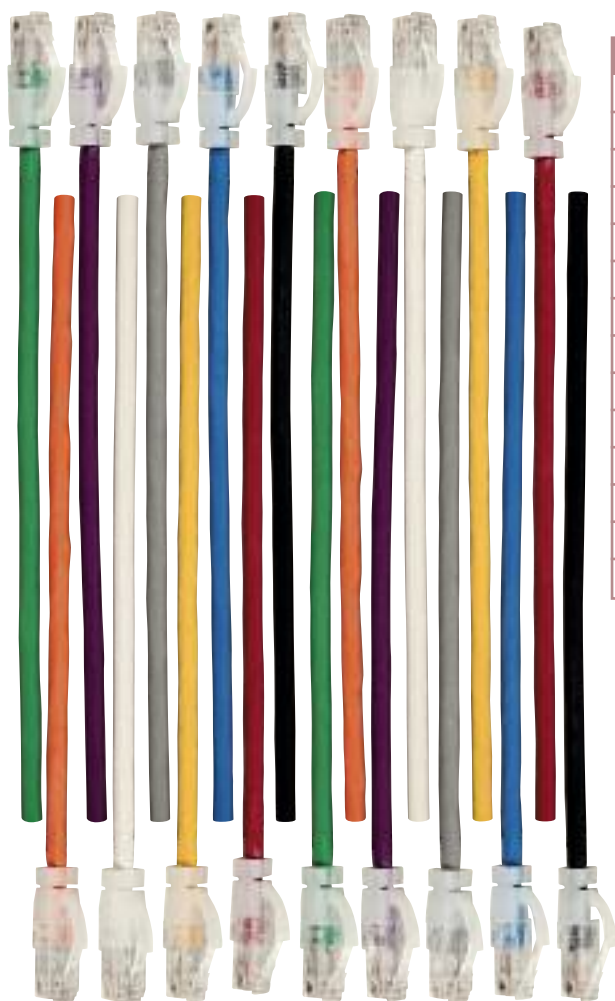
Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT10GPNL-AGL-24	24 Port Cat 6A Angled Patch Panel	1	15



## Cat 6A Patch Cords

### Category 6A 10Gb Patch Cords

- Designed to exceed TIA/EIA-568-B.2-10 Category 6A standard
- 100% Tested and approved for Category 6A channel compliance
- Cat 6A 10Gb patch panels on page 59; jacks on page 23
- Snagless
- Custom colors and lengths available upon request



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
ATG1001-XX	Cat6A 10GB Patch Cord 1ft	25	400
ATG1002-XX	Cat6A 10GB Patch Cord 2ft	25	300
ATG1003-XX	Cat6A 10GB Patch Cord 3ft	25	200
ATG1004-XX	Cat6A 10GB Patch Cord 4ft	25	175
ATG1005-XX	Cat6A 10GB Patch Cord 5ft	25	175
ATG1007-XX	Cat6A 10GB Patch Cord 7ft	25	150
ATG1010-XX	Cat6A 10GB Patch Cord 10ft	25	100
ATG1014-XX	Cat6A 10GB Patch Cord 14ft	25	75
ATG1015-XX	Cat6A 10GB Patch Cord 15ft	1	75
ATG1018-XX	Cat6A 10GB Patch Cord 18ft	1	60
ATG1020-XX	Cat6A 10GB Patch Cord 20ft	1	50
ATG1025-XX	Cat6A 10GB Patch Cord 25ft	1	40
ATG1050-XX	Cat6A 10GB Patch Cord 50ft	1	20
ATG10100-XX	Cat6A 10GB Patch Cord 100ft	1	10

XX colors: WH-White; YL-Yellow; BU-Blue; RD-Red; GY-Grey; I-Ivory; BK-Black; GN-Green; OR-Orange; P-Purple

## Designed to Perform

### The Complete Solution

Allen Tel Products, Inc. offers a complete solution of high performance communication modules for copper, fiber, CATV/Video HDMI and USB applications. Our Versatap modular products are designed for maximum performance, interoperability, reliability and ease of installation.

### Channel Performance Testing

Products are regularly tested in-house and at independent nationally recognized test labs (NRTL) to exceed TIA/EIA Cat 3, Cat 5e, Cat 6 and Cat 6A channel performance with leading cable manufacturers.

### Product Features:

- Modules are interchangeable with all Allen Tel Versatap products
- Modules are available for High Density and shielded applications
- Cat 3, Cat 5e, Cat 6 and Cat 6A Jack modules feature angled IDC's for a stronger connection and performance reliability
- RCA and Video Modules are available in coupler and punchdown configurations
- Versatap modules are UL & CSA listed and RoHS compliant
- Compliant with UL 94V-0 Flammability standard.

Versatap modules include Category 3, 5e, 6 and 6A Jacks. CATV / Video adapter modules are designed for BNC, RCA, S-Video and In-line coupler (F-connector) applications. Fiber modules include SC, ST, MTRJ and LC adapters.

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10Gb Cat 6A Shielded E-Z Jack Module .....	Page 23	Multimedia Inserts - HDMI.....	Page 29
10Gb Cat 6A Shielded Coupler.....	Page 23	Versatap BNC Coax Coupler Module .....	Page 30
Cat 6 E-Z Jack Module .....	Page 23	Versatap F-Connector Module.....	Page 30
Cat 6 Angled E-Z Jack Module .....	Page 24	Versatap RCA 110 Punchdown Module.....	Page 30
Cat 6 High Density Jack Module .....	Page 24	S-Video Punchdown Module .....	Page 30
Cat 6 Shielded High Density Jack Module .....	Page 24	SC Fiber Adapter .....	Page 31
Cat 6 E-Z Shielded Jack Module .....	Page 24	LC Fiber Adapter .....	Page 31
Cat 6 Shielded Coupler.....	Page 25	MTRJ Fiber Adapter .....	Page 31
Cat 6 Coupler.....	Page 25	S-Video Coupler.....	Page 31
Cat 5e E-Z Jack Module .....	Page 25	HDMI Coupler.....	Page 32
Cat 5e Angled E-Z Jack Module .....	Page 25	USB 2.0 Coupler AF-AF .....	Page 32
Cat 5e Jack Module.....	Page 26	USB 2.0 Coupler BF-BF .....	Page 32
Cat 5e High Density Jack Module .....	Page 26	USB 2.0 Coupler AF-BF.....	Page 32
Cat 5e Shielded High Density Jack Module .....	Page 26	USB 3.0 Coupler 5GB AF-AF .....	Page 33
Cat 5e E-Z Shielded Jack Module .....	Page 26	Fiber Adapter-SC Cover Door .....	Page 33
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Cat 3 E-Z Jack Module .....	Page 27	Versatap Coupler Insert.....	Page 34
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Cat 3 Compact Jack Module .....	Page 28	E-Z Tool.....	Page 35
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Multimedia Inserts - RCA & F Connectors .....	Page 29	Impact Tools.....	Page 35
Multimedia Inserts - RCA & DVI Connector.....	Page 29	Cable Jacket Stripper .....	Page 35

## 10Gb Cat 6A E-Z Jack Module



- Designed to exceed TIA/EIA-568-B.2-10 Category 6A standard
- The same E-Z Tool accommodates every E-Z Jack. E-Z Jacks also accept single punch tools
- Tested and approved for Category 6A channel compliance
- Terminates 4-pair UTP cable in accordance with TIA/EIA-568-B.2-10
- Isolating cap provides required ANEXT protection
- Color-coded for T568A and T568B wiring schemes
- Compatible with Versatap modular patch panels, faceplates and surface mount boxes
- Termination instructions with each jack
- Full array of colors

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT10G-XX	10Gb Cat 6A Jack Module	1	50

XX Colors: 00-Black; 04-Yellow; 05-Green; 09-Ivory; 14-Grey; 15-White; 16-Orange; 20-Blue; 47-Red; 52-El Ivory



## 10Gb Cat 6A E-Z Shielded Jack Module



- Designed to exceed TIA/EIA-568-B Category 6A standard
- The same E-Z Tool accommodates every E-Z Jack. E-Z Jacks also accept single punch tools
- Meets TIA/EIA shielding effectiveness requirement
- Color coded for T568A and T568B wiring schemes
- Termination cap provides excellent strain relief, helps control cable bend radius and securely retains wires
- Compatible with Versatap modular patch panels, faceplates and jack housings

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT10G-SH-EZ	10Gb Cat 6A Shielded Jack Module	1	70



## 10Gb Cat 6A Shielded Coupler



- Designed for ATPNL Series of Versatap Patch Panels
- Wired pin to pin

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT10GC-SH	10Gb Cat 6A Shielded Coupler	1	100

## Cat 6 E-Z Jack Module

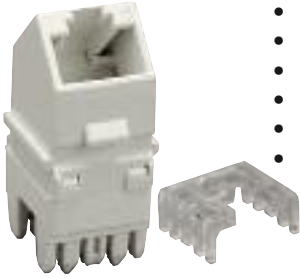


- The same E-Z Tool accommodates every E-Z Jack. E-Z Jacks also accept single punch tools
- Compatible with Versatap panels, faceplates and surface mount boxes
- Universal wiring for either 568A or 568B wiring schemes
- Exceeds TIA/EIA 568-B Category 6 standards
- 110 Termination, with color coded wiring diagram
- Full array of colors

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT66EZ-XX	Cat 6 E-Z Jack Module	1	50

XX Colors: 00-Black; 04-Yellow; 05-Green; 09-Ivory; 14-Grey; 15-White; 16-Orange; 20-Blue; 28-Purple; 47-Red; 52-El Ivory

## Cat 6 E-Z Angled Jack Module

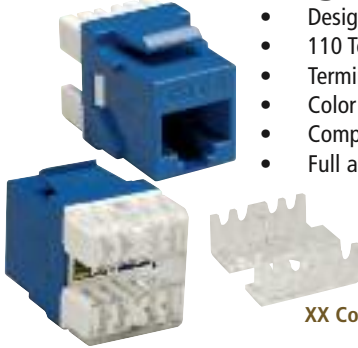


- The same E-Z Tool accommodates every E-Z Jack. E-Z Jacks also accept single punch tools
- Compatible with Versatap panels, faceplates and surface mount boxes
- Universal wiring for either 568A or 568B wiring schemes
- Exceeds TIA/EIA 568-B Category 6 standards
- Termination cap provides excellent strain relief, helps control cable bend radius and securely retains wires
- 110 Termination, with color coded wiring diagram
- Full array of colors

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT66EZ-AGL-XX	Cat 6 Angled E-Z Jack Module	1	50

XX Colors: 00-Black; 04-Yellow; 05-Green; 09-Ivory; 14-Grey; 15-White; 16-Orange; 20-Blue; 47-Red; 52-El Ivory

## Cat 6 High Density Jack Module

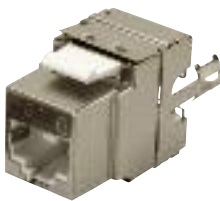


- Designed to exceed TIA/EIA-568-B.2-1 Category 6 standard
- 110 Termination
- Termination cap provides excellent strain relief, helps control cable bend radius and securely retains wires
- Color coded for T568A and T568B wiring schemes
- Compatible with Versatap modular patch panels, faceplates and surface mount boxes
- Full array of colors

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT66-XX	Cat 6, 8 pos., 8 cond. Jack Module	1	50

XX Colors: 00-Black; 04-Yellow; 05-Green; 09-Ivory; 14-Grey; 15-White; 16-Orange; 20-Blue; 47-Red; 52-El Ivory

## Cat 6 Shielded High Density Jack Module



- Designed to exceed TIA/EIA-568-B.2-1 Category 6 standard
- Meets TIA/EIA shielding effectiveness requirement
- Termination cap provides excellent strain relief, helps control cable bend radius and securely retains wires
- Compatible with Versatap modular patch panels, faceplates and jack housings except AT33 and AT44 surface jack housings

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT66SH	Cat 6, 8 pos., 8 cond. Jack Module with shield	1	50



## Cat 6 E-Z Shielded Jack Module



- Designed to exceed TIA/EIA-568-B.2-1 Category 6 standard
- The same E-Z Tool accommodates every E-Z Jack. E-Z Jacks also accept single punch tools
- Meets TIA/EIA shielding effectiveness requirement
- Termination cap provides excellent strain relief, helps control cable bend radius and securely retains wires
- Compatible with Versatap modular patch panels, faceplates and jack housings

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT66SH-EZ	Cat 6 E-Z Shielded Jack Module	1	70





## Cat 6 Shielded Coupler



- Designed for ATPNL Series of Versatap Patch Panels
- Wired pin to pin

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT66C-SH	Cat 6 Shielded Coupler	1	100

Will not fit Versatap Surface Mounting Boxes or Angled Versatap Faceplates

## Cat 6 Coupler



- Designed for ATPNL Series of Versatap Patch Panels
- Wired pin to pin
- Black housing

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT66C-XX	Category 6 Coupler	1	100

XX Colors: 00-Black; 04-Yellow; 15-White; 47-Red

Will not fit Versatap Surface Mounting Boxes or Angled Versatap Faceplates

## Cat 5e E-Z Jack Module

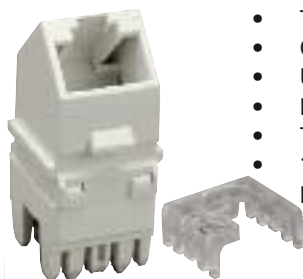


- The same E-Z Tool accommodates every E-Z Jack. E-Z Jacks also accept single punch tools
- Compatible with Versatap panels, faceplates and surface mount boxes
- Universal wiring for either 568A or 568B wiring schemes
- Exceeds TIA/EIA 568-B Category 5e standards
- Termination cap provides excellent strain relief, helps control cable bend radius and securely retains wires
- 110 Termination, with color coded wiring diagram
- Full array of colors

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT65EZ-XX	Cat 5E E-Z Jack Module	1	50

XX Colors: 00-Black; 04-Yellow; 05-Green; 09-Ivory; 14-Grey; 15-White; 16-Orange; 20-Blue; 28-Purple; 47-Red; 52-El Ivory

## Cat 5e Angled E-Z Jack Module

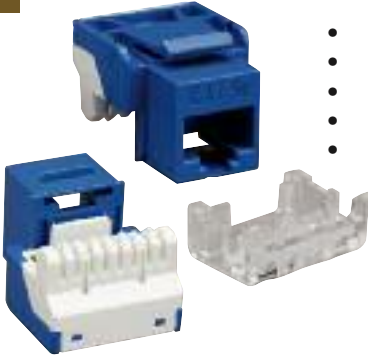


- The same E-Z Tool accommodates every E-Z Jack. E-Z Jacks also accept single punch tools
- Compatible with Versatap panels, faceplates and surface mount boxes
- Universal wiring for either 568A or 568B wiring schemes
- Exceeds TIA/EIA 568-B Category 5e standards
- Termination cap provides excellent strain relief, helps control cable bend radius and securely retains wires
- 110 Termination, with color coded wiring diagram
- Full array of colors

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT65EZ-AGL-XX	Cat 5E Angled E-Z Jack Module	1	50

XX Colors: 00-Black; 04-Yellow; 05-Green; 09-Ivory; 14-Grey; 15-White; 16-Orange; 20-Blue; 47-Red; 52-El Ivory

## Cat 5e Jack Module



- Exceeds TIA/EIA-568-B Category 5e standard
- Termination cap provides excellent strain relief, helps control cable bend radius and securely retains wires
- Color coded for T568A and T568B wiring schemes
- Compatible with Versatap modular patch panels, faceplates and surface mount boxes
- Full array of colors

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT55-XX	Cat 5e, 8 pos., 8 cond. Jack Module	1	50

XX Colors: 00-Black; 04-Yellow; 05-Green; 09-Ivory; 14-Grey; 15-White; 16-Orange; 20-Blue; 47-Red; 52-El Ivory

## Cat 5e High Density Jack Module



- Exceeds TIA/EIA-568-B Category 5e standard
- Compatible with Versatap modular patch panels (ATPNL-XX Series, page 64), faceplates and surface mount boxes
- Termination cap provides excellent strain relief, helps control cable bend radius and securely retains wires
- 110 Termination
- Full array of colors

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT65-XX	Cat 5e, 8 pos., 8 cond. Jack Module	1	50

XX Colors: 00-Black; 04-Yellow; 05-Green; 09-Ivory; 14-Grey; 15-White; 16-Orange; 20-Blue; 47-Red; 52-El Ivory

## Cat 5e Shielded High Density Jack Module



- Designed to exceed TIA/EIA-568-B Category 5e standard
- Meets TIA/EIA shielding effectiveness requirement
- Color coded for T568A and T568B wiring schemes
- Termination cap provides excellent strain relief, helps control cable bend radius and securely retains wires
- Compatible with Versatap modular patch panels, faceplates and jack housings except AT33 and AT44 surface jack housings

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT65SH	Cat 5e, 8 pos., 8 cond. Jack Module with shield	1	50



## Cat 5e E-Z Shielded Jack Module



- Designed to exceed TIA/EIA-568-B Category 5e standard
- The same E-Z Tool accommodates every E-Z Jack. E-Z Jacks also accept single punch tools
- Meets TIA/EIA shielding effectiveness requirement
- Color coded for T568A and T568B wiring schemes
- Termination cap provides excellent strain relief, helps control cable bend radius and securely retains wires
- Compatible with Versatap modular patch panels, faceplates and jack housings except AT33 and AT44 surface jack housings

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT65SH-EZ	Cat 5e E-Z Shielded Jack Module	1	70



## Cat 5e Shielded Coupler



- Designed for ATPNL Series of Versatap Patch Panels
- Wired pin to pin

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT65C-SH	Cat 5e Shielded Coupler	1	100

Will not fit Versatap Surface Mounting Boxes or Angled Versatap Faceplates

## Cat 5e Shielded Jack Module



- Exceeds TIA/EIA-568-B Category 5e standard
- Meets TIA/EIA shielding effectiveness requirement
- Color coded for T568A and T568B wiring schemes
- Termination cap provides excellent strain relief, helps control cable bend radius and securely retains wires
- Compatible with Versatap modular patch panels, faceplates and jack housings except AT33 and AT44 surface jack housings

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT55SH-09	Cat 5e, 8 pos., 8 cond. Jack Module with shield	1	50

## Cat 5e Coupler



- Designed for ATPNL Series of Versatap Patch Panels
- Wired pin to pin

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT55C-XX	Cat 5e Coupler	1	100

Will not fit Versatap Surface Mounting Boxes or Angled Versatap Faceplates

XX Colors: 00-Black; 15-White

## Cat 3 E-Z Jack Module

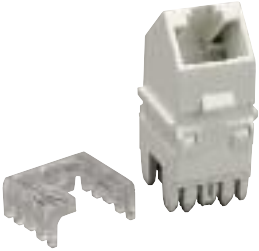


- The same E-Z Tool accommodates every E-Z Jack. E-Z Jacks also accept single punch tools
- Compatible with Versatap panels, faceplates and surface mount boxes
- 110 Termination, with color coded wiring diagram
- Termination cap provides excellent strain relief, helps control cable bend radius and securely retains wires
- Cat 3 (6 & 8 conductor/position)
- Full array of colors

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT36EZ-XX	Cat 3 E-Z Jack 6 Position 6 Conductor	1	100
AT38EZ-XX	Cat 3 E-Z Jack 8 Position 8 Conductor	1	100

ATXXEZ-XX Colors: 00-Black; 04-Yellow; 05-Green; 09-Ivory; 14-Grey; 15-White; 16-Orange; 20-Blue; 47-Red; 52-Electric Ivory

## Cat 3 Angled E-Z Jack Module

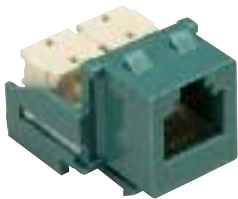


- The same E-Z Tool accommodates every E-Z Jack. E-Z Jacks also accept single punch tools
- Compatible with Versatap panels, faceplates and surface mount boxes
- 110 Termination, with color coded wiring diagram
- Cat 3 (6 & 8 conductor/position)
- Termination cap provides excellent strain relief, helps control cable bend radius and securely retains wires
- Full array of colors

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT36EZ-AGL-XX	Cat 3 Angled E-Z Jack 6 Position 6 Conductor	1	100
AT38EZ-AGL-XX	Cat 3 Angled E-Z Jack 8 Position 8 Conductor	1	100

XX Colors: 00-Black; 04-Yellow; 05-Green; 09-Ivory; 14-Grey; 15-White; 16-Orange; 20-Blue; 47-Red; 52-Electric Ivory

## Cat 3 Jack Module



- 110 Termination
- Termination cap provides excellent strain relief, helps control cable bend radius and securely retains wires
- Color coded for USOC wiring schemes
- High impact, self extinguishing plastic
- Compatible with Versatap modular patch panels (ATPNL-XX Series, page 64), faceplates and surface mount boxes

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT34-XX	Cat 3, 4 conductor Jack Module	1	100
AT36-XX	Cat 3, 6 conductor Jack Module	1	100
AT38-XX	Cat 3, 8 conductor Jack Module	1	100

AT34-XX Colors: 00-Black; 05-Green; 09-Ivory; 14-Grey; 15-White; 16-Orange; 20-Blue; 47-Red

AT36-XX Colors: 00-Black; 04-Yellow; 05-Green; 09-Ivory; 14-Grey; 15-White; 16-Orange; 20-Blue; 47-Red

AT38-XX Colors: 00-Black; 04-Yellow; 05-Green; 09-Ivory; 14-Grey; 15-White; 16-Orange; 20-Blue

## Cat 3 Compact Jack Module



- 110 Termination
- Narrow housing (.75") provides additional workspace
- Easy wire placement design
- Color coded for USOC wiring schemes
- Compatible with Versatap modular patch panels (ATPNL-XX Series, page 64), faceplates and surface mount boxes

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT24-XX	Cat 3, 4 conductor Jack Module	1	100
AT26-XX	Cat 3, 6 conductor Jack Module	1	100
AT28-XX	Cat 3, 8 conductor Jack Module	1	100

AT24-XX Colors: 00-Black; 09-Ivory; 14-Grey; 15-White; 16-Orange; 20-Blue; 47-Red

AT26-XX Colors: 00-Black; 04-Yellow; 05-Green; 09-Ivory; 14-Grey; 15-White; 16-Orange; 20-Blue; 47-Red

AT28-XX Colors: 00-Black; 09-Ivory; 14-Grey; 15-White; 16-Orange; 20-Blue



## Multimedia Inserts - Stereo Audio

Designed for Allen Tel's complete line of designer faceplates  
See Page 39 for Designer Faceplates



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT132-4-XX	2 Sets (2 RD, 2 BK) Stereo Audio Binding Posts	1	100
AT132-6-XX	3 Sets (3 RD, 3 BK) Stereo Audio Binding Posts	1	100

RD = Red, BK = Black

XX Colors: 15-White; 52-Electric Ivory



## **NEW!** Multimedia Insert- RCA & F Connector



- Designed for Allen Tel's complete line of designer faceplates
- Feed through couplers
- See Page 39 for Designer Faceplates

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT132-3R1F-XX	3 Port RCA Connector, 1 Port F Connector	1	100

XX Colors: 15-White; 52-Electric Ivory

## **NEW!** Multimedia Insert - RCA & DVI Connector



- Designed for Allen Tel's complete line of designer faceplates
- Feed through couplers
- See Page 39 for Designer Faceplates

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT132-3R1D-XX	3 Port RCA Connector, 1 Digital DVI Connector	1	100

XX Colors: 15-White; 52-Electric Ivory

## **NEW!** Multimedia Insert - D-Subminiature



- Designed for Allen Tel's complete line of designer faceplates
- 9 Pin Feed through coupler
- See Page 39 for Designer Faceplates

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT132-D-XX	1 D-SUB Connector, 2 Blank Versatap Ports	1	65

XX Colors: 15-White; 52-Electric Ivory

## **NEW!** Multimedia Inserts - HDMI



- Designed for Allen Tel's complete line of designer faceplates
- Feed through couplers
- See Page 39 for Designer Faceplates

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT132-HD-XX	1 HDMI Connector, 2 Blank Versatap Ports	1	60
AT132-2HD-XX	2 HDMI Connector, 2 Blank Versatap Ports	1	50

XX Colors: 15-White; 52-Electric Ivory

# Versatap Modular System

## Versatap BNC Coax Coupler Module



- Compatible with Versatap modular patch panels, faceplates and outlets
- Accepts BNC plugs

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT32BB-XX	Module supplied with industry standard 50 ohm BNC coupler	1	100

XX Colors: 09-Ivory; 15-White; 14-Grey

## Versatap F-Connector Module



- Perfect for use in CATV applications
- Compatible with Versatap modular patch panels, faceplates and outlets
- Compatible with high density patch panels (See page 62)

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT32F-XX	Module supplied with industry standard F-Type coupler	1	100

XX Colors: 09-Ivory; 15-White; 14-Grey

## Versatap RCA 110 Punchdown Module



- Utilize Category 5e or higher network cable facilitating a common, easy and cost effective cabling installation. Only 2 of the 8 network cable conductors need to be terminated per cable
- Compatible with Versatap modular patch panels, faceplates and surface mount boxes

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT32RCA-110-XX	RCA connector with 110 termination	1	50

XX Colors: 09-Ivory; 15-White; 52-El Ivory

## S-Video Punchdown Module



- Utilizes Category 5e or higher network cable facilitating a common, easy and cost effective cabling installation
- Compatible with Versatap modular patch panels, faceplates and surface mount boxes

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT32VD-XX	Module supplied with one S-Video connector	1	50

XX Colors: 09-Ivory; 15-White; 52-El Ivory

## SC Fiber Adapter



- Compatible with Versatap products for complete modularity
- Protective cap fully surrounds split sleeve opening
- Can be used with multimode or single mode fiber jumpers
- Versatap SC Simplex Adapter Modules are commonly used with Versatap Modular Patch Panels

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT32SC-XX	Module supplied with one SC simplex fiber optic adapter with zirconia ceramic split sleeve	1	50

XX Colors: 09-Ivory; 15-White; 52-El Ivory

## LC Fiber Adapter



- Compatible with Versatap products for complete modularity
- Can be used with multimode or single mode fiber jumpers
- LC Duplex Adapter Modules are commonly used with Versatap outlets and panels

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT32LC-XX	LC multimode duplex fiber optic adapter module	1	100

XX Colors: 09-Ivory; 15-White; 52-El Ivory

## MTRJ Fiber Adapter



- Compatible with Versatap
- Can be used with multimode or single mode fiber jumpers
- Versatap MTRJ Duplex Adapter Modules are commonly used with Versatap outlets and panels

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT32MTRJ-XX	MTRJ multimode duplex fiber optic adapter module	1	100

XX Colors: 09-Ivory; 15-White; 52-El Ivory



## S-Video Coupler



- Supplied with one 4-pin mini DIN coupler
- Female to female coupler module
- Compatible with Allen Tel patch panels, surface mount boxes, and faceplates
- UL 94V-0 flammability standard

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
ATSV-XX	S-Video Female to Female Coupler	100	500

XX Colors: 00-Black; 09-Ivory, 15-White; 20-Blue

# Versatap Modular System

## **NEW!** HDMI Coupler



- HDMI (High Definition Multimedia Interface) products for transmitting audio and video signals
- Compatible with all HDMI sources
- Feed through connects for high-definition media centers.
- Easily snap into surface mount boxes, faceplates or panels
- Used for high-definition audio and video
- UL 94V-0 flammability standard

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
ATHD-XX	HDMI Coupler	100	1000

XX Colors: 00-Black; 09-Ivory, 15-White; 20-Blue

## **NEW!** USB 2.0 Coupler AF-AF



- Interface for transmitting data between devices such as printers, scanners, and digital cameras
- Support up to 15 feet between devices of cable lengths.
- USB 2.0 female A to female A coupler module
- Accepts USB 2.0 patch cords and is backwards compatible with USB 1.1 / 1.0 patch cords
- Supports data transfer speeds up to 480 Mbps
- Compatible with Allen Tel patch panels, surface mount boxes and faceplates
- Female A to Female A
- UL 94V-0 flammability standard

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
ATUSB2-AF-AF-XX	USB 2.0 Female A to Female A Coupler	100	1000

XX Colors: 00-Black; 09-Ivory, 15-White; 20-Blue

## **NEW!** USB 2.0 Coupler BF-BF



- Interface for transmitting data between devices such as printers, scanners, and digital cameras
- Support up to 15 feet between devices of cable lengths.
- USB 2.0 female B to female B coupler module.
- Accepts USB 2.0 Patch cords and is backwards compatible with USB 1.1 / 1.0 patch cords
- Supports data transfer speeds up to 480 Mbps
- Compatible with Allen Tel patch panels, surface mount boxes, and faceplates
- Female B to female B
- UL 94V-0 flammability standard

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
ATUSB2-BF-BF-XX	USB 2.0 Female B to Female B Coupler	100	1000

XX Colors: 00-Black; 09-Ivory, 15-White; 20-Blue

## **NEW!** USB 2.0 Coupler AF-BF



- Interface for transmitting data between devices such as printers, scanners, and digital cameras
- Support up to 15 feet between devices of cable lengths
- USB 2.0 female A to female B coupler module
- Accepts USB 2.0 patch cords and is backwards compatible with USB 1.1 / 1.0 patch cords
- Supports data transfer speeds up to 480 Mbps
- Compatible with Allen Tel Patch panels, surface mount boxes, and faceplates
- UL 94V-0 flammability standard

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
ATUSB2-AF-BF-XX	USB 2.0 Female A to Female B Coupler	100	1000

XX Colors: 00-Black; 09-Ivory, 15-White; 20-Blue



## NEW! USB 3.0 Coupler 5 GB AF-AF



- Interface for transmitting data between devices such as printers, scanners, and digital cameras
- Support up to 9 feet between devices of cable lengths
- USB 3.0 female A to female A coupler module
- Accepts USB 3.0 patch cords and is backwards compatible with USB 2.0 / 1.1 patch cords
- Supports data transfer speeds up to 5 Gbps
- Compatible with Allen Tel patch panels, surface mount boxes, and face plates
- UL 94V-0 flammability standard

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
ATUSB3-AF-AF-XX	USB 3.0 Female A to Female A Coupler 5 Gbps	100	1000

XX Colors: 00-Black; 09-Ivory, 15-White; 20-Blue

## NEW! Fiber Adapter-SC Cover Door



- Fiber optic adapters provide connectivity for workstation cabling termination on single mode and multimode fiber cables
- Telecommunications • Local area network • Fiber to the home • CATV
- Dust cover design provides port protection
- Compatible with Allen Tel patch panels, surface mount boxes, and faceplates
- Low insertion loss • Low back reflection loss
- UL 1863 Safety listed • UL 94V-0 flammability standard • TIA-568-c.3 • TIA-604

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT32SCD-XX	Fiber Optic Adapter-SC (e/w hinged dust cover)	100	1000

XX Colors: 00-Black; 09-Ivory, 15-White; 20-Blue

## NEW! Stereo F to F Coupler 3.5mm



- 3.5mm stereo coupler
- Female to female audio coupler module
- Compatible with Allen Tel patch panels, surface mount boxes, and faceplates
- UL 94V-0 flammability standard

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
ATSTEO-35-XX	Stereo Female to Female Coupler 3.5mm	100	1000

XX Colors: 00-Black; 09-Ivory, 15-White; 20-Blue

## ST Fiber Adapter



- Compatible with Versatap products for complete modularity
- Can be used with multimode or single mode fiber jumpers
- Versatap Simplex Adapter Modules are commonly used with Versatap outlets and panels
- Compatible with high density patch panels (See page 62)

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT31ST-XX	ST multimode simplex fiber optic adapter module	1	100

XX Colors: 09-Ivory; 15-White

# Versatap Modular System

## Versatap Blank Module



- Fills in openings on outlet to prevent tampering
- Compatible with Versatap modular patch panels, and outlets
- Compatible with high density patch panels (See page 62)

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT31-XX	One position, reserves space for future use	5	300

XX Colors: 00-Black; 09-Ivory; 14-Grey; 15-White; 52-El Ivory

## Versatap Coupler Insert



- Insert accepts BNC, RCA and ST couplers requiring a 3/8" (0.375") hole
- Compatible with high density patch panels (See page 62)

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT31FO-XX	Coupler insert	5	300

XX Colors: 09-Ivory; 15-White

## RCA Coupler



- Compatible with Versatap products for complete modularity
- RCA couplers are commonly used with Versatap outlets and panels
- Compatible with High Density Patch Panels (See Page 62)

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT32RCA-XX	RCA Coupler	1	100

XX Colors: 09-Ivory; 15-White; 52-El Ivory

## RCA Connectors



- RCA binding post, red and black
- Compatible with Versatap faceplates, housings and panels
- Sold in pairs, one red and one black
- Compatible with High Density Patch Panels (See Page 62)

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT32RCA-R/B	RCA binding posts Ivory housing	1	100
AT32RCA-R/B-15	RCA binding posts White housing	1	100
AT32RCA-R/B-52	RCA binding posts El Ivory housing	1	100

## E-Z Tool



- One E-Z Tool for Cat 3, Cat 5e, Cat 6, and Cat 6A E-Z Jacks, including Angled and Shielded E-Z Jacks.
- With one simple squeeze of the handle, E-Z Tool simultaneously seats, terminates, and cuts all 8 wires
- Special handle lock makes it safer and more compact to store
- Sturdy, lightweight metal handle reduces hand-fatigue
- Replaceable cutting module design provides longer tool-life
- Additional module included with tool

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT110EZ	E-Z Tool - Seats, Terminates, Cuts all 8 wires	1	1
ATEZ-RM	E-Z Tool Replacement Module	1	1



## Versatap Terminating Palm Tool

- Designed to save time and reduce fatigue on hands
- Terminates Versatap Modular Voice and Data Jacks using the AT110 Impact Tool

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT30VC6	Versatap Terminating Palm Tool	1	25



## Cable Jacket Stripper

- Handy, compact and easy to use
- Fast way to strip any cable or cordage for termination in jacks, patch panels and more



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
ATCJS	Cable Jacket Stripper	1	1



## Mini-Termination Tool

- Compact and portable, 5" total length
- Dual 110/66 punch-down blade swivels inside the ergonomic handle
- Snapped into place, the blade remains stable and secure



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT110-66	Mini-Termination Tool	1	1

## Impact Tools

- Terminations are quick and simple
- Reversible Blade to let you terminate and cut in one stroke or terminate without cutting



AT110

AT66

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT110	Impact Tool for 110 IDC Termination	1	1
AT110BLD	Replacement 110 Reversible Blade	1	1
AT66	Impact Tool for 66 Clip Termination	1	1
AT66BLD	Replacement 66 Reversible Blade	1	1

## Designed to Perform

Allen Tel Products, Inc. offers a complete line of connectivity products which compliment the modern décor of residential and commercial interiors. Our products are designed for maximum performance, reliability and ease of installation.

### Product Features:

- Faceplates accept all Versatap modules
- Mounting boxes and mounting brackets for retrofit and new construction
- Flush and wall mount surface jacks
- Connecting blocks
- Telephone jack assemblies
- UL & CSA Listed and RoHS Compliant

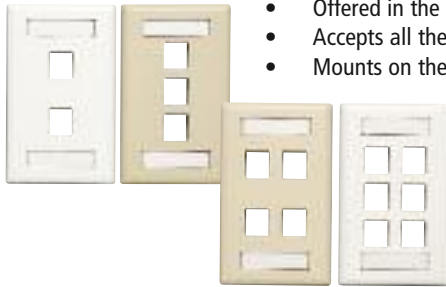
Work area networking demands flexibility, speed and product reliability. Allen Tel Products, Inc. meets that need by providing professional grade products and support.

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## Versatap Faceplates with I.D. Windows

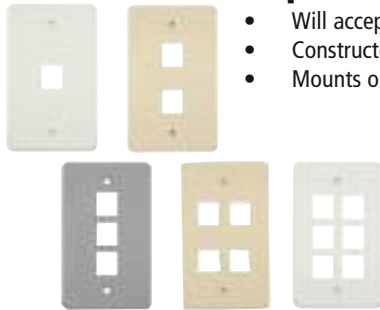


- Designation windows with labels
- Offered in the traditional electrical design
- Accepts all the standard Versatap inserts
- Mounts on the AT625MB series of mounting boxes

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT70-1-XX	1 Port Faceplate with I.D. Windows	25	200
AT70-2-XX	2 Port Faceplate with I.D. Windows	25	200
AT70-3-XX	3 Port Faceplate with I.D. Windows	25	200
AT70-4-XX	4 Port Faceplate with I.D. Windows	25	200
AT70-6-XX	6 Port Faceplate with I.D. Windows	25	200

XX Colors: 09-Ivory; 14-Grey; 15-White

## Versatap Faceplates



- Will accept all Versatap jack modules
- Constructed of flame retardant UL94V-0 rated material
- Mounts on AT30M series of mounting boxes

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT30-1-XX	1 Port Faceplate	25	200
AT30-2-XX	2 Port Faceplate	25	200
AT30-3-XX	3 Port Faceplate	25	200
AT30-4-XX	4 Port Faceplate	25	200
AT30-6-XX	6 Port Faceplate	25	200

XX Colors: 09-Ivory; 14-Grey; 15-White

**NEW!**

## Versatap Double Gang Faceplates



- Furnished with 4 blank inserts
- Mounts on AT45MB series mounting box

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT30D-2-XX	2 Port Double Gang Faceplate	1	120
AT30D-3-XX	3 Port Double Gang Faceplate	1	120
AT30D-4-XX	4 Port Double Gang Faceplate	1	120
AT30D-6-XX	6 Port Double Gang Faceplate	1	120
AT30D-12-XX	12 Port Double Gang Faceplate	1	120

XX Colors: 09-Ivory; 15-White

## Versatap 45° Angled Faceplates



- Offers more external protection than traditional faceplates
- Accepts all Versatap modules
- Mounts on the AT30M and AT45MB surface mounting box
- Mounts flush by using the AT90 or AT92 mounting bracket
- The AT45D-8 includes four blank AT31 inserts

**NEW!**

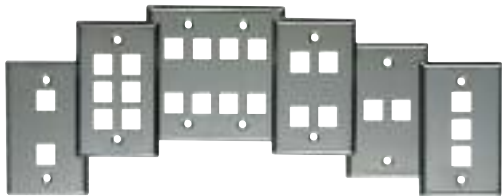


Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT45S-4-XX	Single Gang 4 Port Faceplate	25	200
AT45D-8-XX	Double Gang 8 Port Faceplate	1	100
AT45SID-2-XX	2 Port Angled Faceplate with I.D. Windows	50	200
AT45SID-4-XX	4 Port Angled Faceplate with I.D. Windows	50	200
AT45S-2-XX	2 Port Angled Faceplate	50	200
AT45S2-4-15	4 Port Angled Faceplate	50	200

XX Colors: 09-Ivory; 15-White

## Versatap Stainless Steel Faceplates

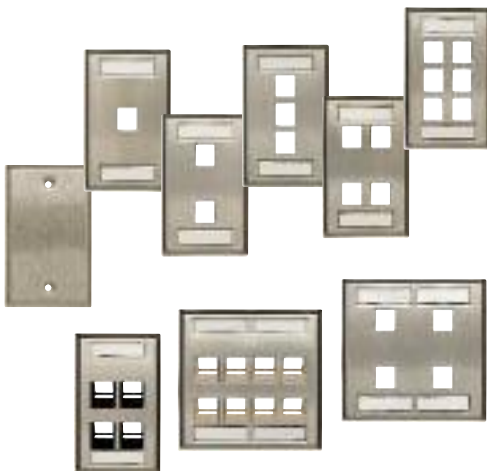
- Brushed stainless steel finish
- Accepts Versatap modules for STP and UTP (including Categories 5e, 6 and 6A), Fiber optic, A/V, and coax, which snap in and out for easy moves, adds and changes
- Impact resistant
- All Versatap modules fit flush on faceplate



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
ATBKF-VT	Stainless Steel Faceplate 1 Port	1	25
ATBKF-VT-2	Stainless Steel Faceplate 2 Port	1	25
ATBKF-VT-2H	Stainless Steel Faceplate 2 Port Horizontal	1	25
ATBKF-VT-3	Stainless Steel Faceplate 3 Port	1	25
ATBKF-VT-4	Stainless Steel Faceplate 4 Port	1	25
ATBKF-VT-6	Stainless Steel Faceplate 6 Port	1	25
ATBKDV-4	Stainless Steel Double Gang Faceplate 4 Port	1	15
ATBKDV-6	Stainless Steel Double Gang Faceplate 6 Port	1	15
ATBKDV-8	Stainless Steel Double Gang Faceplate 8 Port	1	15

## **NEW!** Stainless Steel Faceplates with I.D. Windows

- Impact resistant
- Brushed with a stainless steel finish
- Designation windows with labels and mounting screws
- Accepts all Allen Tel Versatap inserts – copper, fiber-optic, coax, and audio-visual
- Inserts are easy to change, add or move
- 90° Versatap modules seat flush on non-angled faceplates



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT70SS-0	Stainless Steel Blank Faceplate	1	25
AT70SS-1	Stainless Steel Faceplate 1 Port w/ ID Windows	1	25
AT70SS-2	Stainless Steel Faceplate 2 Port w/ ID Windows	1	25
AT70SS-3	Stainless Steel Faceplate 3 Port w/ ID Windows	1	25
AT70SS-4	Stainless Steel Faceplate 4 Port w/ ID Windows	1	25
AT70SS-6	Stainless Steel Faceplate 6 Port w/ ID Windows	1	25
AT70SS-AGL-4	Stainless Steel Angle Faceplate 4 Port w/ ID Windows	1	20
AT70SS-2G-AGL-8	Stainless Steel Double Gang Angle Faceplate 8 port w/ID Windows	1	8
AT70SS-2G-4	Stainless Steel Double Gang Faceplate 4 port w/ID Windows	1	15



## Versatap Faceplates for Power or Communications Applications

- Designed for power and communication applications
- Includes mounting screw

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT106P-XX	Single Gang Duplex Faceplate	1	50

XX Colors: 15-White; 52-El Ivory



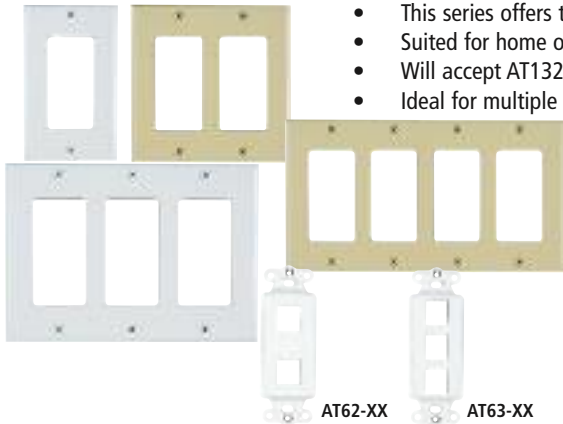
## Versatap Duplex Jack Housing for Power or Communications Applications

- Accepts all Versatap modules

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT106H-XX	Single Gang Duplex Housing	1	125

XX Colors: 15-White; 52-El Ivory

## Designer Series Faceplates



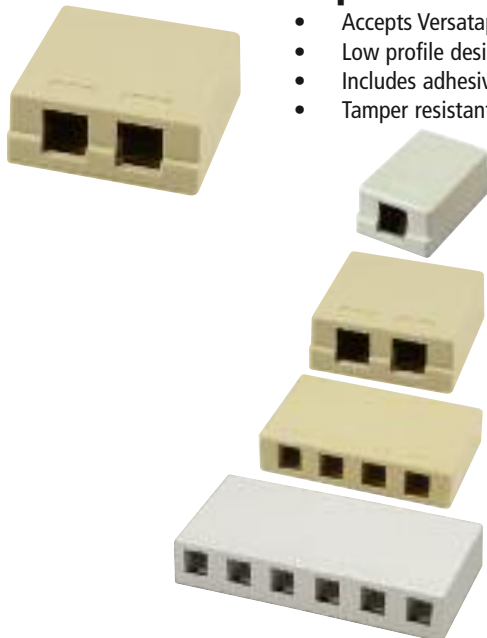
- This series offers the traditional electrical look often requested by the residential market
- Suited for home office environment
- Will accept AT132 series, Multimedia, AT62 and AT63 Versatap inserts.
- Ideal for multiple applications

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT60-1-XX	Single Gang Faceplate	1	50
AT60-2-XX	Double Gang Faceplate	1	25
AT60-3-XX	Three Gang Faceplate	1	15
AT60-4-XX	Four Gang Faceplate	1	15
AT62-XX	Two Port Insert*	1	50
AT63-XX	Three Port Insert*	1	50

\*Accepts all Versatap Jack Modules except Shielded AT65SH and AT66SH

XX Colors: 15-White; 52-El Ivory

## Versatap Surface Mount Boxes



- Accepts Versatap modules
- Low profile design
- Includes adhesive mounting tape for installation ease
- Tamper resistant cover

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT33S-XX	Surface mount box accepts one Versatap Module	1	40

XX Colors: 09-Ivory; 14-Grey; 15-White; 52-El Ivory

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT33D-XX	Shuttered surface mount box accepts two Versatap Modules	1	35

XX Colors: 09-Ivory; 15-White; 52-El Ivory

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT44-XX	Shuttered surface mount box accepts four Versatap Modules	1	15

XX Colors: 09-Ivory; 14-Grey; 15-White; 52-El Ivory

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT33-6-XX	Shuttered surface mount box accepts six Versatap Modules	1	15

XX Colors: 09-Ivory; 15-White

## Surface Mounting Box

- Accepts AT30 series Versatap single gang faceplates



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT30M-XX	4.5" L x 2.75" W x 1.75" D	1	80

XX Colors: 09-Ivory; 15-White

## Double Gang Surface Mounting Box

- Accepts Versatap double gang faceplates

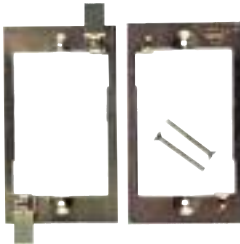


Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT45MB-XX	4.43" L x 4.562" W x 1.875" D	1	40

XX Colors: 09-Ivory; 15-White

## Mounting Bracket

- Used for retrofit or new installation on drywall or wood panel type construction
- Made of .062 inch steel plate with threaded keeper tabs
- For use with low voltage Class 2 devices



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT90	Single Gang Mounting Bracket	125	250
AT92	Duplex Mounting Bracket	85	340
AT93	Three Gang Mounting Bracket	1	60
AT94	Four Gang Mounting Bracket	1	50

## Surface Mounting Box

- Mounts over a standard electrical outlet box
- Accepts AT70 series faceplates



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT625MB	15/16" D x 4 1/2" L x 2 3/4" W Ivory only	1	160
AT625MBD-XX	1 7/8" D x 4 1/2" L x 2 3/4" W	1	80

XX Colors: 09-Ivory; 15-White

## Furniture Faceplates

- Designed for installation in modular furniture
- Accepts jack modules
- Easy snap-in installation
- I.D. windows



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT3FM-XX	3 Port Furniture Faceplate for 2.655" x 1.324" openings	1	100
AT4FM	4 Port Furniture Faceplate Black for 2.655" x 1.324" openings	1	100
AT4FM-VERT-XX	4 Port Furniture Faceplate Vertical for 3.615" x 1.600" openings	1	100

XX Colors: 09-Ivory; 15-White

Fits the following manufacturers:

- Herman Miller
- Haworth
- Steelcase
- Hon
- Knoll-Morrison



# Work Area Outlets

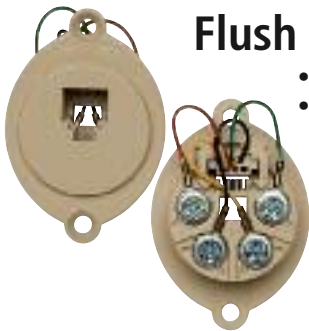


## E-Z Outlet

- No need to strip wire
- Jack can be terminated while remaining in protective bag
- Time saving installation
- Inexpensive

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT316-4-XX	4 Cond., 6 Pos. Flush IDC Jack	25	200
AT316-6-XX	6 Cond., 6 Pos. Flush IDC Jack	25	200
AT317-4-XX	Duplex Flush 4 Cond., 6 Pos. IDC Jack	25	200
AT317-6-XX	Duplex Flush 6 Cond., 6 Pos. IDC Jack	25	200
AT317-6F-XX	6 Cond., 6 Pos. IDC Jack/F-Coax Conn	25	200
AT568-4-XX	4 Cond., 6 Pos. Surface IDC Jack	25	200
AT568-6-XX	6 Cond., 6 Pos. Surface IDC Jack	25	200

XX Colors: 15-White; 52-El Ivory



## Flush Mount Jack

- High impact
- Can be flush mounted in a panel or a standard outlet box by using the AT43B bracket

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT625F-4	4 Cond, 6 Pos. Flush Jack Ivory	50	400
AT625F-6	6 Cond, 6 Pos. Flush Jack Ivory	50	400



## Mounting Bracket

- Designed for flush mounting the AT625F-4 and the AT625F-6 in a standard outlet box

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT43B	Mounting Bracket	1	100



## Flush Mount Wall Jack

- Screw type terminal block
- Mounts on AT90 mounting bracket or on standard electrical outlet box

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT216-4	4 Cond., 6 Pos. Jack Ivory	25	200
AT216-4-15	4 Cond., 6 Pos. Jack White	25	200
AT216-6	6 Cond., 6 Pos. Jack Ivory	25	200
AT216-6-15	6 Cond., 6 Pos. Jack White	25	200



## Flush Mount Wall Jack

- Same as AT216-4 except larger size
- Designer preferred 3 1/8" W x 4 7/8" H
- Matte-textured ivory faceplate

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT216-4LP	4 Cond., 6 Pos. Flush Ivory Wall Jack	25	200



## Flush Mount Smooth Wall Jack

- Smooth faceplate
- Integral jack and screw-type terminal block
- Mounts on AT90 mounting bracket or standard electrical outlet box

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT216SM-4	4 Cond., 6 Pos. Ivory Wall Plate	25	200
AT216SM-4-15	4 Cond., 6 Pos. White Wall Plate	25	200
AT216SM-4-EI	4 Cond., 6 Pos. EI Ivory Wall Plate	25	200
AT216SM-6	6 Cond., 6 Pos. Ivory Wall Plate	25	200
AT216SM-6-15	6 Cond., 6 Pos. White Wall Plate	25	200
AT216SM-6-EI	6 Cond., 6 Pos. EI Ivory Wall Plate	25	200



## Flush Mount Duplex Smooth Wall Jack

- Smooth faceplate
- Two integral jacks and screw-type terminal blocks
- Mounts on AT90 mounting bracket or standard electrical outlet box

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT217SM-4	4 Cond., 6 Pos. Ivory Wall Plate	25	200
AT217SM-4-15	4 Cond., 6 Pos. White Wall Plate	25	200
AT217SM-4-EI	4 Cond., 6 Pos. EI Ivory Wall Plate	25	200
AT217SM-6	6 Cond., 6 Pos. Ivory Wall Plate	25	200
AT217SM-6-15	6 Cond., 6 Pos. White Wall Plate	25	200
AT217SM-6-EI	6 Cond., 6 Pos. EI Ivory Wall Plate	25	200



## Flush Mount Wall Jack

- Consists of an ivory faceplate, AT625F-4 modular jack and AT43B bracket
- Mounts on AT90 mounting bracket or standard electrical outlet box

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT625B-4	4 Cond., 6 Pos. Flush Ivory Wall Jack	25	200

## Round Flush Mount Wall Jack



- Round ivory faceplate with integral jack and screw terminals

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT218	4 Cond., 6 Pos. Round Flush Mount Jack	25	200

## Flush Mount Duplex Wall Jack



- 2 integral jacks with screw type terminal blocks
- Designed for connecting 2 telephones or auxiliary devices to the same or separate lines
- Mounts on AT90 mounting bracket or standard electrical outlet box

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT217-4	4 Cond., 6 Pos. Duplex Ivory Wall Plate	25	200
AT217-4-15	4 Cond., 6 Pos. Duplex White Wall Plate	25	200
AT217-6	6 Cond., 6 Pos. Duplex Ivory Wall Plate	25	200
AT217-6-15	6 Cond., 6 Pos. Duplex White Wall Plate	25	200
AT217-8	8 Cond., 8 Pos. Duplex Ivory Wall Plate	25	200
AT217-8-15	8 Cond., 8 Pos. Duplex White Wall Plate	25	200

## Flush Mount Duplex Wall Jack



- Ivory faceplate with two integral jacks
- One jack is 6 cond., 6 pos. marked "Voice", second jack is 8 cond., 8 pos. marked "Data"
- Screw type connecting block

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT268	6 Cond., 6 Pos. and 8 Cond., 8 Pos. Jacks	25	200

## Flush Mount IDC Jacks



- 110 type insulation displacement connectors
- Mounts on AT105P faceplate or standard electrical wall plate
- Fast and easy installation
- AT105AF is unmarked

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT105AF-15	8 Cond., 8 Pos. Jack White	25	200
AT105AF-52	8 Cond., 8 Pos. Jack El Ivory	25	200

## Flush Mount Duplex IDC Jacks



- 110 type insulation displacement connectors
- Mounts on AT106P faceplate or standard electrical wall plate
- Fast and easy installation
- AT106AFD is marked "Line 1 and Line 2"
- AT106BFD and AT107BFD are marked "Voice and Data"

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT106-6-52	2-6 Cond., 6 Pos. Jack El Ivory	25	200
AT106AFD-52	2-8 Cond., 8 Pos. Duplex Jack El Ivory	25	200
AT106BFD-52	2-8 Cond., 8 Pos. 1-Keyed El Ivory	25	200
AT107BFD-15	1-6 Cond., 6 Pos.; 1-8 Cond. 8 Pos. Keyed White	25	200
AT107BFD-52	1-6 Cond., 6 Pos.; 1-8 Cond., 8 Pos. Keyed El Ivory	25	200

## Outlet Wall Plates



- The AT105P is designed for the AT105 series IDC jacks
- The AT106P is designed for the AT106 and AT107 IDC flush jacks
- Includes mounting screws
- Constructed of flame retardant plastic meeting UL 94 V.O.

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT105P-15	Single Port Faceplate White	50	400
AT105P-52	Single Port Faceplate El Ivory	50	400
AT106P-15	Duplex Faceplate White	50	400
AT106P-52	Duplex Faceplate El Ivory	50	400

## Spacer



- Provides additional work and wiring space between the wall surface and faceplate
- Allows space for cable bend radius

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT221	Spacer Ivory	25	200

## Surface Mount IDC Jacks



- Provides one voice or data jack mounted in a plastic base with a screw on cover
- 110 Type insulation displacement connector
- Fast and easy installation
- The AT103-6 and AT103A8 are unmarked
- The AT103D8 is marked "Data"
- Includes mounting screws and double-sided tape

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT103-6-52	6 Cond., 6 Pos. El Ivory	20	160
AT103A8-15	8 Cond., 8 Pos. White	20	160
AT103A8-52	8 Cond., 8 Pos. El Ivory	20	160
AT103D8-52	8 Cond., 8 Pos. Keyed El Ivory	20	160



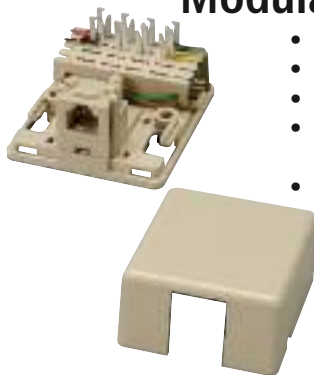
## Surface Mount Duplex IDC Jacks



- The 104 and 108 type duplex jacks provide two voice and/or data jacks mounted in a plastic base with a screw on cover
- 110 type insulation displacement connectors
- The AT104-6 and AT104A8 are marked "Line 1 and Line 2"
- The AT104B8 and AT108B are marked "Voice and Data"
- Includes mounting screws and double-sided tape

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT104-6-52	2-6 Cond., 6 Pos. Duplex El Ivory	20	160
AT104A8-15	2-8 Cond., 8 Pos. Duplex White	20	160
AT104A8-52	2-8 Cond., 8 Pos. Duplex El Ivory	20	160
AT104B8-52	2-8 Cond., 8 Pos., 1 Keyed El Ivory	20	160
AT108B-52	1-6 Cond., 6 Pos.; 1-8 Cond., 8 Pos. Keyed El Ivory	20	160

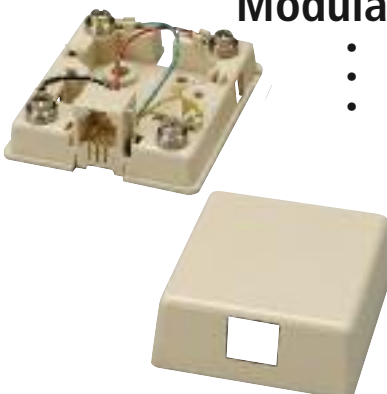
## Modular Surface IDC Jacks



- Modular jack wired to 66-type punch down terminals
- AT66 tool used for termination
- Snap-on cover
- The AT625A3-8SB is equipped with shorting bars on pins 1-4 and 5-8 meeting USOC wiring codes RJ31X through RJ38X inclusive
- Includes mounting screws and double-sided tape

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT625A3-4	4 Cond., 6 Pos. Ivory	25	200
AT625A3-6	6 Cond., 6 Pos. Ivory	25	200
AT625A3-8	8 Cond., 8 Pos. Ivory	25	200
AT625A3-8SB	8 Cond., 8 Pos. w/Shorting Bars Ivory	25	200

## Modular Surface Jack Screw Terminals



- The 468 type housing provides a 4, 6, or 8 conductor modular jack
- Snap on plastic cover
- Includes mounting screws and double-sided tape

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT468-4	4 Cond., 6 Pos. Ivory	25	200
AT468-4-15	4 Cond., 6 Pos. White	25	200
AT468-4-El	4 Cond., 6 Pos. El Ivory	25	200
AT468-6	6 Cond., 6 Pos. Ivory	25	200
AT468-6-15	6 Cond., 6 Pos. White	25	200
AT468-6-El	6 Cond., 6 Pos. El Ivory	25	200
AT468-6DEC	6 Cond., 6 Pos. MMJ Ivory	25	200
AT468-8	8 Cond., 8 Pos. Ivory	25	200
AT468-8-15	8 Cond., 8 Pos. White	25	200

## Wire Junction Box



- Allows additional extensions to be added to an existing telephone system
- Terminals are a combination screw and insulation displacement so that terminations can be made with or without stripping wires
- Includes mounting screws

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT742A	E/W 4 Cond., 6 Pos. 1 Ft Modular Cord Ivory	1	100
AT742B	Not Equipped with modular cord	1	100

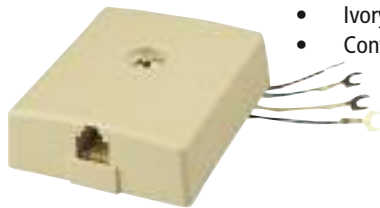
## Surface Jack



- Modular jack mounted into an ivory cover and a 42A4 or 42A6 connecting block as appropriate
- Includes mounting screws

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT214B4	4 Cond., 6 Pos. Surface Jack Ivory	25	200
AT214B6	6 Cond., 6 Pos. Surface Jack Ivory	25	200

## Surface Jack Cover



- Ivory cover has integral jack with spade-tipped leads
- Converts existing 42A connecting blocks to modular

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT214C4	4 Cond., 6 Pos. Surface Jack Cover Ivory	25	200
AT214C6	6 Cond., 6 Pos. Surface Jack Cover Ivory	25	200

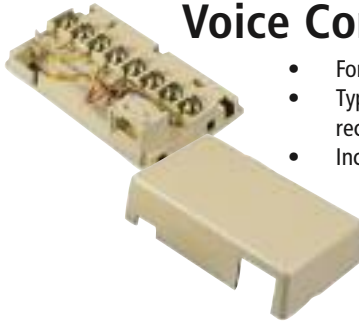
## Connecting Block



- 4 or 6 terminal connecting block
- Includes cover, terminal screws and washers
- Used primarily to terminate inside wiring telephone cable
- Includes mounting screws

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT42A4	4-Terminal Connecting Block Ivory	50	400
AT42A6	6-Terminal Connecting Block Ivory	50	400

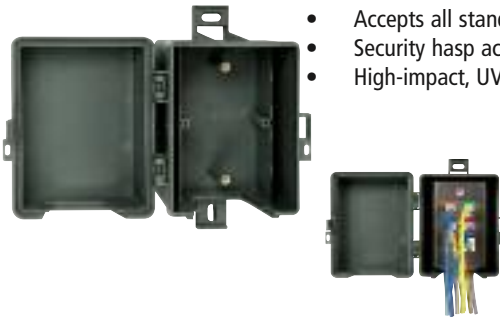
## Voice Connecting Block



- For connecting registered voice equipment to the switched network
- Typical use of these blocks is the connection of alarm and automatic dialers, recording equipment, answering machines and facsimile devices
- Includes mounting screws

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT635B (RJ31X-RJ38X)	1-6 Cond., 6 Pos., 1-8 Cond., 8 Pos. Ivory with Shorting Bars on Pins 1-4 and 5-8	1	100

## Outdoor Weather Resistant Enclosure



- Accepts all standard single-gang plates—plastic or stainless
- Security hasp accepts nylon ties, small padlocks and lock-out/tag-out devices
- High-impact, UV resistant PVC plastic

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT1064G-WR	Weather Resistant Enclosure for 1G Faceplates	1	1

## Outdoor Weather Resistant Surface Mounted Jack



- High impact grey plastic assembly consisting of a base and cover
- Base provides an integral screw type connecting block and wire entry port weather sealed by a molded neoprene grommet
- The cover with integral jack and spade-tipped leads is provided with a hinged, spring loaded door and neoprene seal
- Includes mounting screws and double-sided tape

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT625WP	6 Cond., 6 Pos. Jack, Grey	1	80
AT635WP	8 Cond., 8 Pos. Jack, Grey	1	80

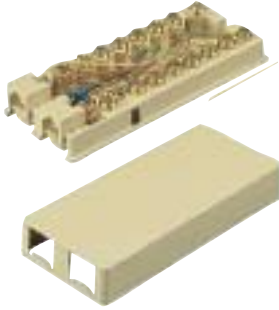
## Voice Connecting Block



- Screw terminal base with snap-on cover
- The AT635CX is used on 1.544 MbPS digital services (T1)
- Includes mounting screws and double-sided tape

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT635CX (RJ48X)	8 Cond., 8 Pos., non-Keyed E/W Shorting Bar on Pins 1-4 and 2-5 ASH	40	320
AT635C1 (RJ31X-RJ38X)	8 Cond., 8 Pos. E/W Shorting Bar on Pins 1-4 and 5-8 ASH	40	320
AT635C2	8 Cond., 8 Pos. No Shorting Bar ASH	40	320
AT635C3	8 Cond., 8 Pos. Keyed No Shorting Bar ASH	40	320

## Modular Duplex Surface Jack



- Assembly equipped with two modular jacks
- Screw type terminal blocks
- Snap-on cover
- Station wire entry available on one side
- Includes mounting screws and adhesive strip
- Low cost advantage for multi-line home or office installations

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT444	4 Cond., 6 Pos. Duplex Jack Ivory	25	200
AT666	6 Cond., 6 Pos. Duplex Jack Ivory	25	200
AT888	8 Cond., 8 Pos. Duplex Jack Ivory	25	200

## Flush Mount Combination Wall Jack



- Contains one 4-conductor, 6-position telephone modular line jack and one F-type in-line splice connector
- Includes mounting screws
- Mounts on a standard electrical outlet box

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT1029-4F	Combination Wall Jack Ivory	25	200
AT1029-4F-15	Combination Wall Jack White	25	200

## Flush Mount Duplex TV Wall Jack



- Contains two F-type in-line connectors for 75 ohm co-axial cable
- Includes mounting screws
- Mounts on a standard electrical outlet box

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT1029-FF	Flush Mount Duplex TV Wall Jack Ivory	25	200

## Flush Mount TV Wall Jack



- Contains a single F-type in-line connector for 75 ohm co-axial cable
- Includes mounting screws
- Mounts on a standard electrical outlet box

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT1031-F	Flush Mount TV Wall Jack Ivory	25	200
AT1031-F-15	Flush Mount TV Wall Jack White	25	200





## Jack Insert

- AT6-4 converts a 6-position jack to 4-position
- AT8-6 converts an 8-position jack to 6-position

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT6-4	Jack Insert Ivory	10/1000	5000
AT8-6	Jack Insert Ivory	10/1000	5000



## Flush Mount Wall Jack

- One Piece 8-conductor jack and faceplate assembly
- Mounts on AT90 mounting bracket or standard electrical outlet box

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT697B-NK	8 Cond., 8 Pos. non-Keyed Jack Ivory	25	200
AT697B-NK-15	8 Cond., 8 Pos. non-Keyed Jack White	25	200



## Wall Telephone Jack

- Mounts a modular wall telephone set
- Stainless steel faceplate
- Insulation piercing terminal block and quick connect wire retaining clips
- Terminal block assembly is protected by an insulating plastic cover
- Includes screws for mounting to a standard electrical outlet box

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT630B-4	4 Cond., 6 Pos. Wall Telephone Jack	25	200
AT630B-6	6 Cond., 6 Pos. Wall Telephone Jack	25	200
AT630B-8	8 Cond., 8 Pos. Wall Telephone Jack	25	200



## Wall Telephone Jack

- Consists of a plastic faceplate and a screw terminal connecting block
- These universal units may be used as a wall telephone jack or flush mounted jack
- Includes two screw studs for use when used as a wall telephone mounting and two hole plugs when the screw studs are not used

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT630AQB-4	4 Cond., 6 Pos. Wall Telephone Jack ASH	25	200
AT630AQB-6	6 Cond., 6 Pos. Wall Telephone Jack ASH	25	200

## Wall Telephone Jack



- Mounts a modular wall telephone set
- Stainless steel faceplate
- Consists of a steel base with a screw terminal connecting block

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT630A-4	4 Cond., 6 Pos. Wall Telephone Jack	25	200
AT630A-6	6 Cond., 6 Pos. Wall Telephone Jack	25	200

## Wall Telephone Jack



- Insulation piercing terminal block enclosed in an insulating plastic sleeve
- These are universal units which can be used as a wall telephone or flush mounted jack
- Includes two screw studs for use when used as a wall telephone mounting and two hole plugs when the screw studs are not used
- Includes AT797A installation tool

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT630ABC-4	4 Cond., 6 Pos. Wall Telephone Jack Ivory	25	200
AT630ABC-4-15	4 Cond., 6 Pos. Wall Telephone Jack White	25	200
AT630ABC-6	6 Cond., 6 Pos. Wall Telephone Jack Ivory	25	200

## Wall Telephone Jack



- Mounts a modular wall telephone set
- Stainless steel faceplate
- Insulation piercing terminal block enclosed in an insulating plastic sleeve
- Includes AT797A installation tool

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT630AIP-4	4 Cond. Wall Telephone Jack	25	200
AT630AIP-6	6 Cond. Wall Telephone Jack	25	200

## Wall Telephone Jack



- Mounts a modular wall telephone set
- Internal screw-terminal connecting block

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT219-4	4 Cond., 6 Pos. Wall Telephone Jack Ivory	25	200
AT219-4-15	4 Cond., 6 Pos. Wall Telephone Jack White	25	200
AT219-6	6 Cond., 6 Pos. Wall Telephone Jack Ivory	25	200

## Wall Telephone Jack



- Universal modular jack assembly can be used to mount a wall telephone or used as a flush mounted wall jack
- Insulation piercing terminal block and quick connect wire retaining clips which hold the conductors in place
- Terminal block assembly is protected by an insulating plastic cover
- Includes two screw studs for use when used as a wall telephone mounting and two hole plugs when the screw studs are not used
- Includes screws for mounting to a standard electrical outlet box

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT630BBC-4	4 Cond., 6 Pos. Wall Telephone Jack Ivory	25	200
AT630BBC-6	6 Cond., 6 Pos. Wall Telephone Jack Ivory	25	200

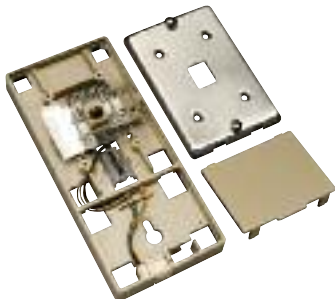
## Wall Telephone Jack



- Contains three 4-conductor 6-position modular jacks
- The face of the AT229 provides for the standard mounting of a wall telephone set
- The two side-mounted jacks may be used to connect two additional telephone sets or ancillary devices

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT229	Wall Telephone Jack Ivory	1	150

## Wall Telephone Jack



- An assembly designed to mount over and connect to an existing wall telephone jack such as the AT219 or AT630 series of telephone jacks
- The AT631A provides standard wall telephone mounting plus a 4-conductor 6-position module jack in the bottom edge of the faceplate for an additional telephone set or ancillary device
- Ideal for connection to ICLID (caller identification)

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT631A	Wall Telephone Jack Ivory	1	100

## VoIP Wall Telephone Faceplate



- Stainless steel faceplate
- Mounts a Cat5e or Cat6 modular jack
- Accommodates any standard wall telephone
- Fast and easy installation
- Compatible with a standard electrical outlet box

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
ATBK-VoIP	Stainless Steel VoIP Faceplate	25	200
ATBK-VoIP-F	Stainless Steel VoIP Flush Faceplate	25	200
ATBK-VoIP-PL-XX	VoIP Plastic Faceplate	25	200

XX Colors: 09-Ivory; 15-White; 52-El Ivory

## Designed for Performance

### Residential MDU (Multiple Dwelling Unit) Solutions

Allen Tel Products – providing professional cabling solutions to meet all your Residential and Multiple Dwelling Unit (MDU) demands.

- Our Resi/MDU components address virtually any application
- Standard, Compact and Mini MDU's provide scalability and flexibility making future expansion easy and economical

### Distributes Audio, Visual, Multiple Telephone and Data lines:

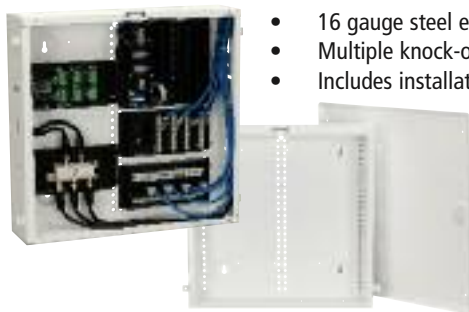
- Apartment and Condominium buildings
- Single Family Residences
- Small Offices
- RJ31X or RJ45 Security Ports for security alarm use
- Enclosures made of 16 gauge steel or high-impact flame resistant plastic

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## Residential MDU Enclosures



- 16 gauge steel enclosures accommodate Allen Tel's snap-in voice, data, video and audio modules
- Multiple knock-outs enable flexible and quick installation
- Includes installation instructions, network layout label and hardware

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
ATR-14SC	14" Enclosure w/ Screw-Mount Surface Cover	1	1
ATR-28SC	28" Enclosure w/ Screw-Mount Surface Cover	1	1
ATR-14HC	14" Enclosure with Hinge Surface Door	1	1
ATR-28HC	28" Enclosure with Hinge Surface Door	1	1

## 8 Port Basic Telecom Module



- Up to 8 outlets each (star configuration) with up to 4 lines for basic telephone, fax, and modem service
- Includes an RJ31X interface for security alarm system and one jack for testing and expansion

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
ATR-TM8	8 Port Basic Telecom Module	1	44

## 8 Port Telecom Expansion Module



- Adds an additional 8 phone outlets with up to 4 incoming lines when used with the ATR-TM8
- Includes RJ45 jumper cord for that connection

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
ATR-TEX8	8 Port Telecom Expansion Module	1	44

## 5e Data, 6 Voice Combination Module



- Provides 110 IDC punch-down inputs for both phone and data service with RJ45 outputs

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
ATR-6T1D	1 Data & 6 Voice Combination	1	44

## Multiport Telecom Modules

- Accepts input of 4 individual phone lines at the 4-pair connecting block or RJ45 Jack
- Two independent RJ31X Jacks provide a security interface to accommodate alarm systems
- Independent DSL in/out port



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
ATR-24MT	Multiport Telecom Module	1	24

## 8 Port Data Network Modules

- Cat 5e and Cat 6 support up to 8 outlets and are designed with front 110 punch-down terminations



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
ATR-8P-5E	CAT 5e Data Network Module 8 Port	1	44
ATR-8P-6	CAT 6 Data Network Module 8 Port	1	44

## Coax Splitter Modules, Angled Bracket

- Passive splitters filter out signal variations, enabling the combination or splitting of digital cable/antenna/satellite signals.



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
ATR-C4-1G	1x4 Coax Splitter with F-Connector, 1GHz SCTE Compliant, Angled bracket	1	28
ATR-C4-2G	1x4 Coax Splitter with F-Connector, 2GHz SCTE Compliant, Angled bracket	1	28
ATR-C6-1G	1x6 Coax Splitter with F-Connector, 1GHz SCTE Compliant, Angled bracket	1	28
ATR-C6-2G	1x6 Coax Splitter with F-Connector, 2GHz SCTE Compliant, Angled bracket	1	28
ATR-C8-1G	1x8 Coax Splitter with F-Connector, 1GHz SCTE Compliant, Angled bracket	1	28
ATR-C8-2G	1x8 Coax Splitter with F-Connector, 2GHz SCTE Compliant, Angled bracket	1	28

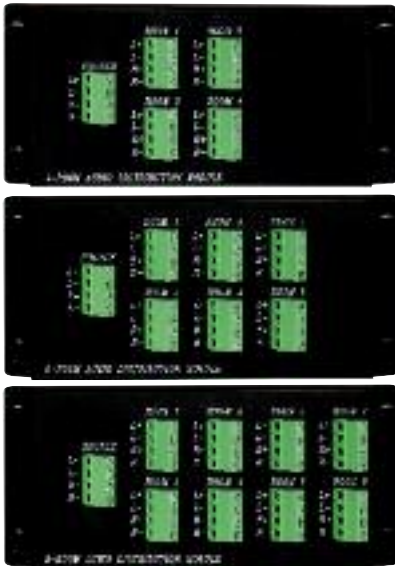
## Coax Splitter Modules



- Passive splitters filter out signal variations, enabling the combination or splitting of digital cable/antenna/satellite signals.

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
ATR-C4-1GP	1x4 Coax Splitter with F-Connector, 1GHz SCTE Compliant	1	44
ATR-C4-2GP	1x4 Coax Splitter with F-Connector, 2GHz SCTE Compliant	1	44
ATR-C6-1GP	1x6 Coax Splitter with F-Connector, 1GHz SCTE Compliant	1	44
ATR-C6-2GP	1x6 Coax Splitter with F-Connector, 2GHz SCTE Compliant	1	44
ATR-C8-1GP	1x8 Coax Splitter with F-Connector, 1GHz SCTE Compliant	1	44
ATR-C8-2GP	1x8 Coax Splitter with F-Connector, 2GHz SCTE Compliant	1	44

## Audio Distribution Modules



- Four, six, or eight zone standard audio distribution modules for stereo speaker wire
- Runs from amplifier to impedance matching volume controls (not included)

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
ATR-A4	4 Room Audio Distribution Module	1	44
ATR-A6	6 Room Audio Distribution Module	1	44
ATR-A8	8 Room Audio Distribution Module	1	44

## 5 Port Fast Ethernet Switch



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
ATR-5PS	5 Port 10/100 Mbps Switch	1	20

# Multiple Dwelling Units

MDU

## Compact MDU Enclosure



- Compatible with CAT 5e and CAT 6 performance
- Multiple knock-outs on top and bottom facilitate cable entry and routing
- High impact flame resistant plastic enclosure
- Creating a distribution point for data, voice, audio, and video applications

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
ATRC-9SC	9" Enclosure with Surface Cover	1	4

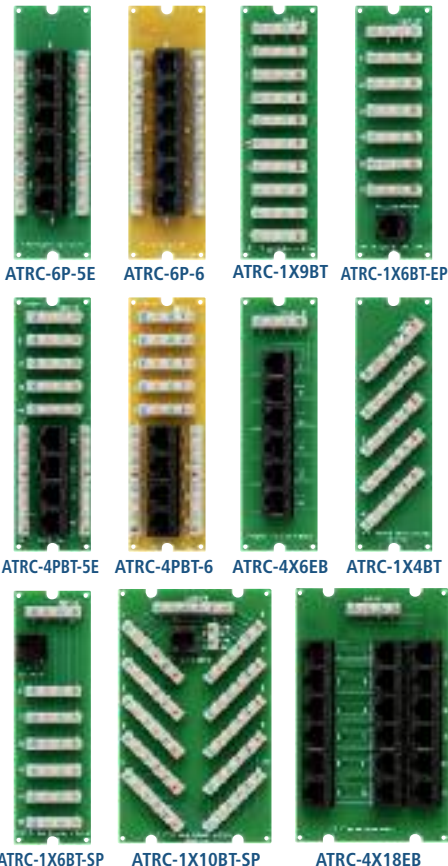
## Compact MDU Splitter



- Passive splitter filters out signal variations, enabling the combination or splitting of digital cable/antenna/satellite signals.
- Mounts in ATRC-9SC Compact MDU enclosure.

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
ATRC-2G6	Compact MDU 6 Way Splitter 2 GHz	1	64

## Compact MDU Modules



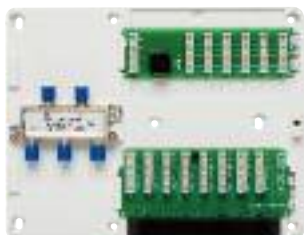
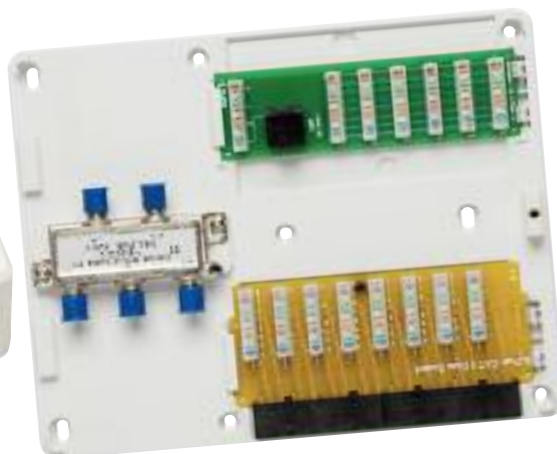
- Compatible with CAT 5e and CAT 6 performance
- Simple and convenient home networking or small office on virtually any application
- RJ31 or RJ45 Security Ports for security alarm use

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
ATRC-6P-5E	6-Port, Cat 5e Voice & Data Board	1	30
ATRC-6P-6	6-Port, Cat 6 Voice & Data Board	1	30
ATRC-1X9BT	Bridge 4 phone lines to 9 locations. 110IDC punchdown	1	30
ATRC-1X6BT-EP	Bridge 4 phone lines to 6 locations. RJ-45 Expansion Port	1	30
ATRC-4PBT-5E	4 port, Cat 5e Data & 1x4 telephone connections	1	30
ATRC-4PBT-6	4 port, Cat 6 Data & 1x4 telephone connections	1	30
ATRC-4X6EB	Bridge 4 phone lines to 6 locations. Expansion Board	1	30
ATRC-1X4BT	Bridge 6 lines to 4 locations	1	30
ATRC-1X6BT-SP	Bridge 4 lines to 6 locations via 110 IDC RJ31X Security Port	1	30
ATRC-1X10BT-SP	Bridge 6 lines to 10 locations via 110 IDC RJ45 security port	1	15
ATRC-4X18EB	Bridge 4 lines to 18 locations. 4x18 Expansion Board	1	15

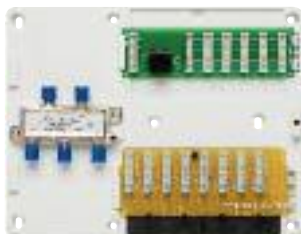


## Mini MDU Enclosures

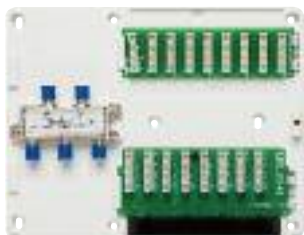
- Compatible with CAT 5e and CAT 6 performance
- Designed for easy cable entry and routing
- High impact flame resistant plastic enclosure



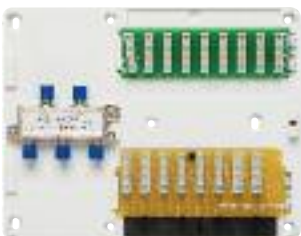
Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
ATRM-1X6BT-5E	8 Port Cat 5e, 2GHz 4 Port Video splitter, 1x6 bridged Telephone Board, RJ31X Security Port	1	4



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
ATRM-1X6BT-6	8 Port Cat 6, 2GHz 4 Port Video splitter, 1x6 bridged Telephone Board, RJ31X Security Port	1	4



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
ATRM-1X8BT-5E	8 Port Cat 5e, 2GHz 4 Port Video splitter, 1x8 bridged Telephone Board	1	4



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
ATRM-1X8BT-6	8 Port Cat 6, 2GHz 4 Port Video splitter, 1x8 bridged Telephone Board	1	4

## Designed for Performance

Allen Tel Products, Inc. offers a complete solution of high performance cross connectivity communication products. Our products provide an interoperable, reliable connection and quality system performance for high-speed multimedia applications.

### Channel Performance Testing

Products are regularly tested in-house and at independent nationally recognized test labs (NRTL) to exceed TIA/EIA Cat 5e, Cat 6 and Cat 6A channel performance with leading cable manufacturers.

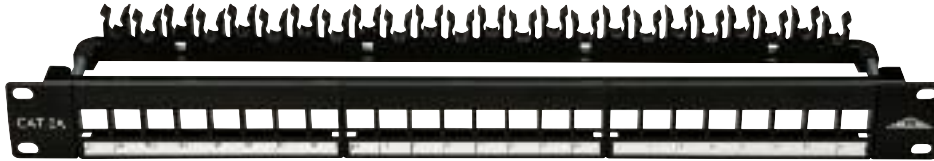
### Product Features:

- Fiber Optic Wall and Rack Mount Enclosures and Adapter Panels
- Patch Panels with universal wiring for either T568A or T568B
- Unloaded Patch Panels for multimedia networking modules and system flexibility
- Cable Management Panels and Mounting Brackets
- Cat5e, Cat6 and Cat6A 110 Cross Connect products
- Distributing Rings
- Backboards
- UL & CSA listed and RoHS compliant

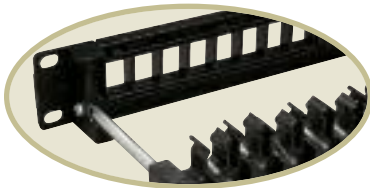
Telecom Room products are designed for ease of installation and performance by supporting the layout of structured cabling systems.

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## Category 6A 10Gb Patch Panels



- Designed to exceed TIA/EIA-568-B.2-10 Category 6A standard
- Tested and approved for Category 6A channel compliance
- 110 termination on loaded patch panels
- Cat 6A 10Gb patch cords on page 75; jacks on page 23
- Loaded patch panels have universal wiring for either 568A or 568B
- Panels include mounting hardware, cable ties and identification strip
- Heavy-duty wire management on AT10GPNL-U24 unloaded patch panel swivels up & down for easier cable management
- Designed to support heavier Cat 6A cables



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT10GPNL-U24	24-port unloaded 10Gb Cat 6A multimedia patch panel*	1	1
AT10GPNL-12	12-port loaded 10Gb Cat 6A patch panel	1	1
AT10GPNL-24	24-port loaded 10Gb Cat 6A patch panel	1	1

\* The unloaded patch panel accepts a variety of multimedia Versatap jacks: Cat 3, 5e, 6, 6A and AT31, AT32 and ATUSB series

## Category 6A 10Gb Angled Patch Panel



- Universal wiring for either 568A or 568B wiring schemes
- Port identification options include additional write-on area
- Heavy duty wire management swivels up and down for easier cable management
- Exceeds TIA/EIA-568-B.2-10 Category 6A standards
- Includes mounting hardware and cable ties
- 110 termination



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT10GPNL-AGL-24	24 Port Cat 6A Angled Patch Panel	1	15

## Category 6 Patch Panels



- Exceeds TIA/EIA Category 6 standards
- Wire management on rear of panel
- 110 termination
- Universal wiring for either 568A or 568B wiring schemes
- Includes mounting hardware and cable ties



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT66-PNL-12	12 Port Cat 6 Patch Panel, 1.75"H, 1 RU	1	15
AT66-PNL-24	24 Port Cat 6 Patch Panel, 1.75"H, 1 RU	1	15
AT66-PNL-48	48 Port Cat 6 Patch Panel, 3.50"H, 2 RU	1	10
AT66-PNL-96	96 Port Cat 6 Patch Panel, 7.00"H, 4 RU	1	5

## Category 6 Angled Patch Panels



- Exceeds TIA/EIA-568-B Category 6 standards
- Port identification options include additional write-on area
- Heavy duty wire management swivels up and down for easier cable management
- Includes mounting hardware and cable ties
- Universal wiring for either 568A or 568B wiring schemes
- 110 termination



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT66-PNL-AGL24	24 Port Cat 6 Angled Patch Panel	1	15
AT66-PNL-AGL48	48 Port Cat 6 Angled Patch Panel	1	15

## Category 5e Patch Panels

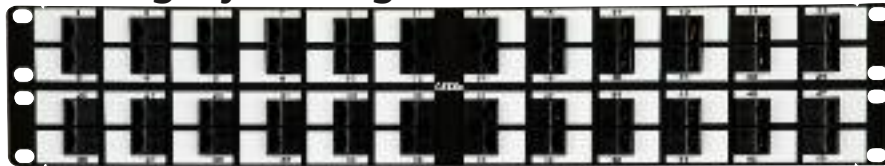


- Exceeds TIA/EIA Category 5e standard
- Wire management on rear of panel
- Includes AT55CSB cable support bars
- Universal wiring for either 568A or 568B
- 110 termination



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT55B-PNL-12	12 Port Cat 5e Patch Panel 1.75"H, 1 RU	1	30
AT55B-PNL-24	24 Port Cat 5e Patch Panel 1.75"H, 1 RU	1	15
AT55B-PNL-32	32 Port Cat 5e Patch Panel 3.50"H, 2 RU	1	10
AT55B-PNL-48	48 Port Cat 5e Patch Panel 3.50"H, 2 RU	1	10
AT55B-PNL-64	64 Port Cat 5e Patch Panel 7.00"H, 4 RU	1	5
AT55B-PNL-96	96 Port Cat 5e Patch Panel 7.00"H, 4 RU	1	5

## Category 5e Angled Patch Panels



- Exceeds TIA/EIA-568-B Category 5e standards
- Port identification options include additional write-on area
- Heavy duty wire management swivels up and down for easier cable management
- Universal wiring for either 568A or 568B wiring schemes
- Includes mounting hardware and cable ties
- 110 termination

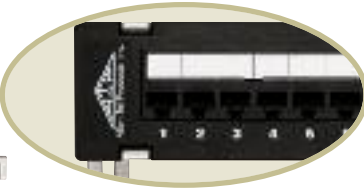


Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT55B-PNL-AGL24	24 Port Cat 5e Angled Patch Panel	1	15
AT55B-PNL-AGL48	48 Port Cat 5e Angled Patch Panel	1	15

## Category 6, 12 Port Patch Panel



- Designed for small data cross-connect applications
- Equipped with two 6 port Cat6 non-keyed jack modules
- Universal wiring for either 568A or 568B
- Includes GB89D mounting bracket
- 110 termination

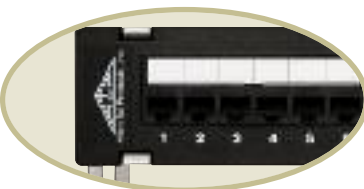


Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT66-12PT	12 Port Cat 6 Patch Panel	1	18

## Category 5e, 12 Port Patch Panel



- Designed for small voice and data cross-connect applications
- Equipped with two 6 port Category 5e non-keyed jack modules
- Universal wiring for either 568A or 568B
- Includes GB89D mounting bracket
- 110 Termination



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT55B-12PT	12 Port Cat 5e Patch Panel	1	30

## Category 6, 12 Port Patch Box



- 110 Termination
- Multiple cable entries
- Universal wiring for either 568A or 568B
- Hinged design for easier termination
- Designation strips with protective cover
- Includes GB89D mounting bracket

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT66-12P	12 Port Cat 6 Patch Box	1	18

## Category 6, 6 Port Patch Box

- 110 Termination
- Internal wire management
- Designation strips with protective cover
- Universal wiring for either 568A or 568B
- Includes adhesive tape and mounting screws



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT66-6P	6 Port Cat 6 Patch Box	1	70



## Category 6 Connection Box



- Meets TIA/EIA Category 6 standards
- 110 Termination
- Ideal for splicing damaged cable or connecting short runs
- Snap-on cover
- Includes double sided tape and two strain relief brackets

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT66CB-15	Cat 6 Connection Box White	25	200
AT66CB-52	Cat 6 Connection Box El Ivory	25	200

## Category 5e, 12 Port Patch Box



- 110 Termination
- Universal wiring for either 568A or 568B
- Multiple cable entries
- Hinged design for easier termination
- ID strips with removable window
- Includes GB89D mounting bracket

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT55B-12P	12 Port Cat 5e Patch Box	1	18

## Category 5e, 6 Port Patch Box



- Meets TIA/EIA Category 5e standard
- 110 Termination
- Universal wiring for either 568A or 568B
- Internal wire management
- Designation strips with protective cover
- Includes adhesive tape & mounting screws

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT55B-6P	6 Port Cat 5e Patch Box	1	40

## High Density Patch Panels



ATPNL-HD-24



ATPNL-HD-48



ATPNL-HDSH-24

- Used in high density wiring applications
- Accepts all ATP high density jacks, plus an array of Versatap multimedia modules
- Includes wire management brackets
- Mounts on 19" rack or AT55HM series hinged wall mount brackets
- Clear covered label field

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
ATPNL-HD-24	24 port 1 RU High Density Patch Panel w/o jacks	1	1
ATPNL-HD-48	48 port 2 RU High Density Patch Panel w/o jacks	1	1
ATPNL-HDSH-24	24 port 1 RU High Density Shielded Patch Panel w/o jacks	1	1

## Cable Management

- Mounts on standard 19" rack
- Organized installation for horizontal and vertical routing of patch cables
- Metal Rings mount to existing holes on racks or cabinets.
- Finger Duct Panels are designed with flexible "fingers" for easy and precise cable routing, front and rear.
- Retaining cover slides open or snaps on and off for quick access.

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT55WB	Cable Support Bar 1.5"D	1	20
AT55WMP	Wire Management Panel 3.50"D, 1 RU	1	12
AT55WMP-1	Wire Management Panel 3.50"D, 2 RU	1	6
AT55WMP-2	Wire Management Panel w/ clips 3.50"D, 2 RU	1	6
AT55WMP-3	1 RU Wire Management Panel with Clips	1	1
AT55MR-S1	1.7" Single-sided Metal Rings	1	1
AT55MR-S3	3" Single-sided Metal Rings	1	1
AT55MR-D3	3" Double-sided Metal Rings	1	1
AT55MR-D6	6" Double-sided Metal Rings	1	1
AT55WMP-H1	1 RU Wire Management Panel w/ pass through holes	1	1
AT55WMP-H2	2 RU Wire Management Panel w/ pass through holes	1	1
AT55WMP-MR2	2 RU Wire Management Panel w/ metal rings	1	1
AT55WMP-SR1	1 RU Ring Panel, Single Side	1	1
AT55WMP-SR2	2 RU Ring Panel, Single Side	1	1
AT55BP-1	1 RU Blank Panel	1	1
AT55BP-2	2 RU Blank Panel	1	1
AT55BP-3	3 RU Blank Panel	1	1

AT55WB

AT55WMP

AT55WMP-1

AT55WMP-2

AT55WMP-3

AT55MR-S1

AT55MR-S3

AT55MR-D3

AT55MR-D6

AT55WMP-SR1

AT55WMP-SR2

AT55WMP-H1  
shown with cover off

AT55WMP-H2  
shown with cover on

AT55WMP-MR2  
shown with cover on

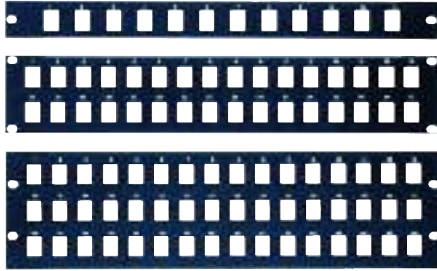
AT55BP-1

AT55BP-2

AT55BP-3

## Versatap Patch Panels

- Designed for all Versatap modules
- Ideal for multimedia installations
- Full flexibility when formulating LANS, cabling systems, data networks and telecommunication panels
- These 19" panels are constructed of 16 gauge metal and finished in textured black baked enamel
- Includes mounting screws



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
ATPNL-12	12 Port 1.7"H, 1 RU	1	1
ATPNL-16	16 Port 1.7"H, 1 RU	1	1
ATPNL-24	24 Port 3.50"H, 2 RU	1	1
ATPNL-32	32 Port 3.50"H, 2 RU	1	1
ATPNL-48	48 Port 5.25"H, 3 RU	1	1
ATPNL-64	64 Port 8.75"H, 5 RU	1	1
ATPNL-96	96 Port 10.5"H, 6 RU	1	1
ATPNL-128	128 Port 14.0"H, 8 RU	1	1

## Cable Support Bar



- Mounts on rear of AT55 series Cat5e patch panels
- Provides cable strain relief
- Includes mounting screws



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT55CSB	Cable Support Bar	1	50

## Hinged Wall Mount Brackets

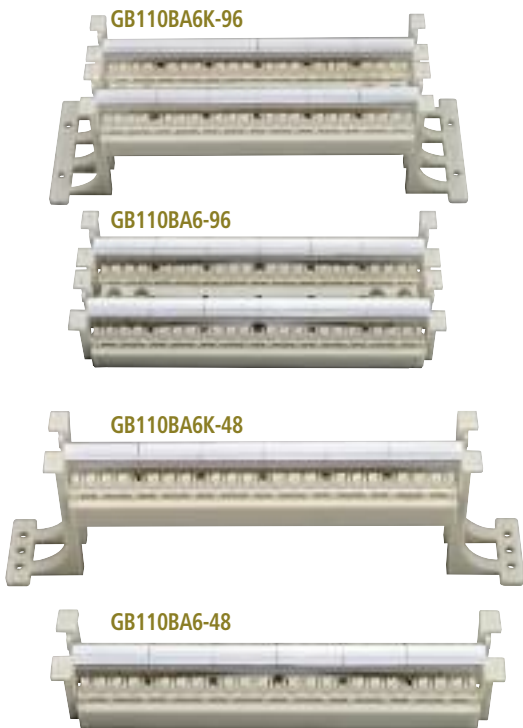
- 19" wall mount hinged brackets, 6" depth
- Does not require free standing rack
- Includes mounting hardware with 10-32 1/2 inch screws
- EIA standard hole patterns
- 40 lb. load rating



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT55HM-1	Hinged Wall Mount Bracket 1.75"H, 1 RU	1	1
AT55HM-3	Hinged Wall Mount Bracket 3.50"H, 2 RU	1	1
AT55HM-5	Hinged Wall Mount Bracket 5.25"H, 3 RU	1	1
AT55HM-7	Hinged Wall Mount Bracket 7.0"H, 4 RU	1	1
AT55HM-10	Hinged Wall Mount Bracket 10.5"H, 6 RU	1	1

## 110 Solutions

### Category 6 110 System



- 110 Termination
- Exceeds Cat6 TIA/EIA standards
- Rack or wall mount
- Includes designation labels

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GB110BA6K-48	48 Pair Block with legs, includes labels	6	60
GB110BA6K-96	96 Pair Block with legs, includes labels	3	30
GB110BA6K-288	288 Pair Block with legs, includes labels	1	10
GB110BA6-48	48 Pair Low Profile w/o legs, includes labels	40	160
GB110BA6-96	96 Pair Low Profile w/o legs, includes labels	17	68
GB110BA6-288	288 Pair Low Profile w/o legs, includes labels	1	10
GB110BP6W-96	19" 96 Pair Panel, label holders, wire mgmt, 2 RU	1	10
GB110BP6-96	19" 96 Pair Wiring Panel, includes labels, 1 RU	1	15
GB110-C6-4	4 Pair Connector	10	100
GB110PH	Label Holder	6	6
GB110PS	White Labels	6	6



GB110-C6-4

### Category 6 110 Patch Cords and Plug Assemblies

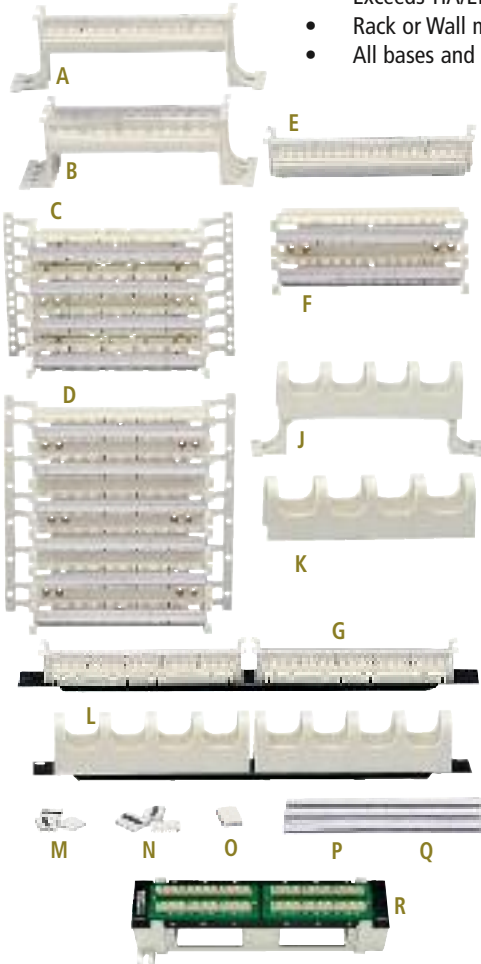


- 110 to 110 configuration
- 110 to RJ45 modular plug configuration
- Wired for T568B wiring scheme (4 pair)

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GB110PC64W-03	110 to 110 3 ft	1	1
GB110PC64W-05	110 to 110 5 ft	1	1
GB110PC64W-07	110 to 110 7 ft	1	1
GB110PC64W-10	110 to 110 10 ft	1	1
GB110PC64W-15	110 to 110 15 ft	1	1
GB110PC645-03	110 to RJ45 3 ft	1	1
GB110PC645-05	110 to RJ45 5 ft	1	1
GB110PC645-07	110 to RJ45 7 ft	1	1
GB110PC645-10	110 to RJ45 10 ft	1	1
GB110PC645-15	110 to RJ45 15 ft	1	1

## Category 5e 110 System

- 110 Termination
- Exceeds TIA/EIA Cat 5e Standards
- Rack or Wall mount
- All bases and kits include labels and strip holders



	Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
A	GB110BK-50	50 Pair Block with legs, includes labels	6	60
B	GB110BK-100	100 Pair Block with legs, includes labels	3	30
C	GB110BK-200	200 Pair Block with legs, includes labels	1	10
D	GB110BK-300	300 Pair Block with legs, includes labels	1	10
E	GB110B-50	50 Pair Low Profile w/o legs, includes labels	40	160
F	GB110B-100	100 Pair Low Profile w/o legs, includes labels	17	68
G	GB110P-100	19" 100 Pair 110 Wiring Panel, includes labels, 1 RU	1	15
H	GB110P-200	19" 200 Pair 110 Wiring Panel, includes labels, 2 RU	1	10
I	GB110P-300	19" 300 Pair 110 Wiring Panel, includes labels, 3 RU	1	10
J	GB110FK	Horizontal Cord Manager with legs	1	25
K	GB110F	Horizontal Cord Manager without legs	1	50
L	GB110FP	19" Panel e/w two GB110F	1	20
M	GB110-C3	3 Pair Connector	10	100
N	GB110-C4	4 Pair Connector	10	100
O	GB110-C5	5 Pair Connector	10	100
P	GB110PH	Label Holder	6	6
Q	GB110PS	White Labels	6	6
R	GB110-12WB	12 Port Wiring Block	1	18
	GB100-C4-KIT	100 Pair Block with legs and 25/C4 connectors	3	30
	GB100-C5-KIT	100 Pair Block with legs and 20/C5 connectors	3	30
	GB300-C4-KIT	300 Pair Block with legs and 75/C4 connectors	1	10
	GB300-C5-KIT	300 Pair Block with legs and 60/C5 connectors	1	10

## Category 5e 110 Patch Cords and Plug Assemblies

- 110 to 110 configuration
- 110 to RJ45 modular plug configuration
- Wired for T568B wiring scheme (4 pair)



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GB110PC4-03	110 to 110 3 ft	1	1
GB110PC4-05	110 to 110 5 ft	1	1
GB110PC4-07	110 to 110 7 ft	1	1
GB110PC4-10	110 to 110 10 ft	1	1
GB110PC4-15	110 to 110 15 ft	1	1
GB110PC45-03	110 to RJ45 3 ft	1	1
GB110PC45-05	110 to RJ45 5 ft	1	1
GB110PC45-07	110 to RJ45 7 ft	1	1
GB110PC45-10	110 to RJ45 10 ft	1	1
GB110PC45-15	110 to RJ45 15 ft	1	1



## Wall Mount Fiber Optic Cabinet

- Compact design where wall space is a premium
- Quick installation & cost effective
- Includes fiber cable management spool
- Adapter panels snap in for easy installation, removal and expansion
- Comes with dust proof entries, top and bottom
- All wall cabinets come with door lock & key
- Includes all mounting hardware, mounting template and wire management
- 18 gauge steel construction
- Color: Black
- Accommodates 2 panels with up to 24 port capacity with duplex panels

### Measurements:

Height 8" (205mm)  
 Width 13" (330mm)  
 Depth 3.5" (89mm)

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GB212	Wall Mount Fiber Cabinet	1	2



Wall Mount fiber cabinets ganged for additional port applications

## Rack Mount Fiber Optic Cabinet

- Includes 2 fiber management spools
- Adapter panels snap in for easy installation, removal and expansion
- Quick installation & cost effective
- Rack Mounts come with sliding tray
- Comes with dust proof entries
- Includes all mounting hardware and wire management
- 16 gauge steel construction
- Color: Black
- Utilizes one rack space
- Accommodates 3 panels with up to 36 port capacity with duplex panels

### Measurements:

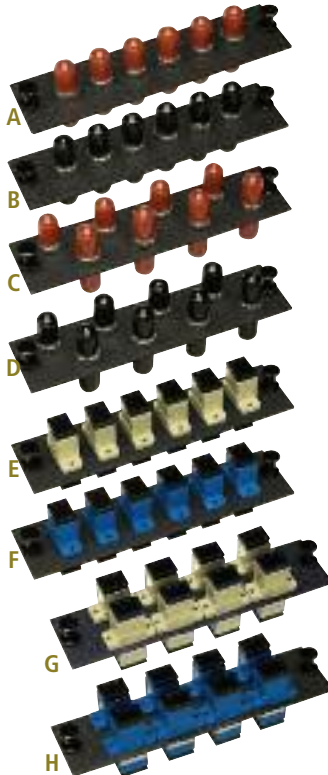
Height 1.75" (44.5mm)  
 Width 19" (483mm)  
 Depth 12" (303mm)

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GB324	Rack Mount Fiber Cabinet 1.75" H, 1 RU	1	2



## Fiber Optic Panels

- Snap-in adapter panels are interchangeable between rack and wall mount cabinets
- Single mode sleeves are made from Zirconium Ceramic
- Multimode sleeves are made from Phosphorus Bronze
- Ceramic multimode sleeves are available upon request
- Every fiber coupler includes an individual dust cover

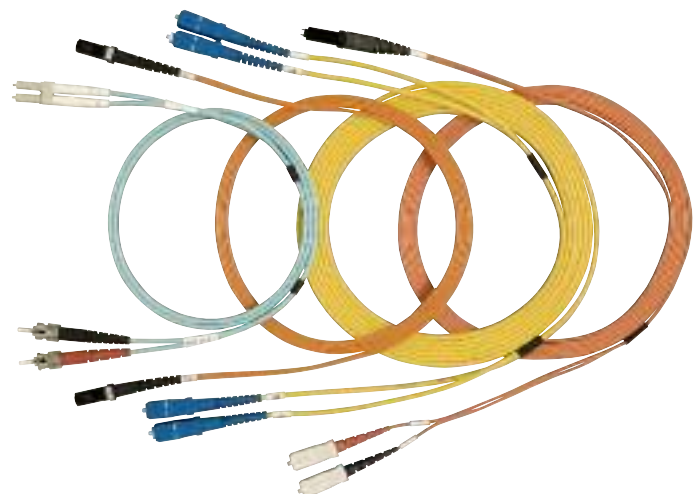
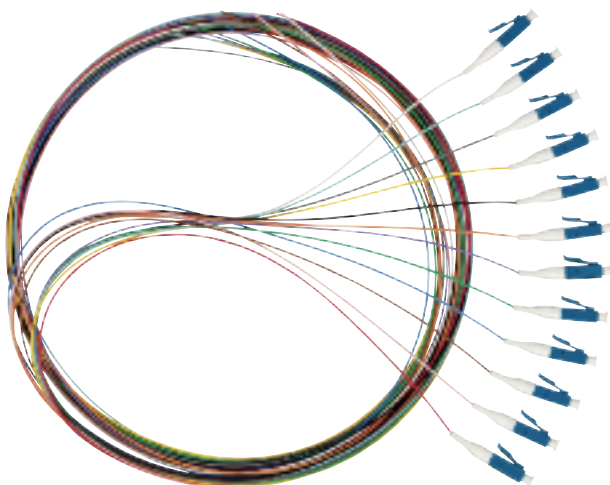


	Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
A	GBST-6MM	Loaded Mounting Panel MM-ST 6 Pack	1	5
B	GBST-6SM	Loaded Mounting Panel SM-ST 6 Pack	1	5
C	GBST-8MM	Loaded Mounting Panel MM-ST 8 Pack	1	5
D	GBST-8SM	Loaded Mounting Panel SM-ST 8 Pack	1	5
E	GBSC-6MM	Loaded Mounting Panel MM-SC 6 Pack	1	5
F	GBSC-6SM	Loaded Mounting Panel SM-SC 6 Pack	1	5
G	GBSC-8MM	Loaded Mounting Panel MM-SC 8 Pack	1	5
H	GBSC-8SM	Loaded Mounting Panel SM-SC 8 Pack	1	5
I	GBSC-6MMDU	Loaded Duplex Mounting Panel MM-SC 6 Pack	1	5
J	GBSC-6SMDU	Loaded Duplex Mounting Panel SM-SC 6 Pack	1	5
K	GBLC-6MMDU	Loaded Duplex Mounting Panel MM-LC 6 Pack	1	5
L	GBLC-6SMDU	Loaded Duplex Mounting Panel SM-LC 6 Pack	1	5
M	GBF-BP	Blank Metal Filler Panel, fits all panel openings	1	5



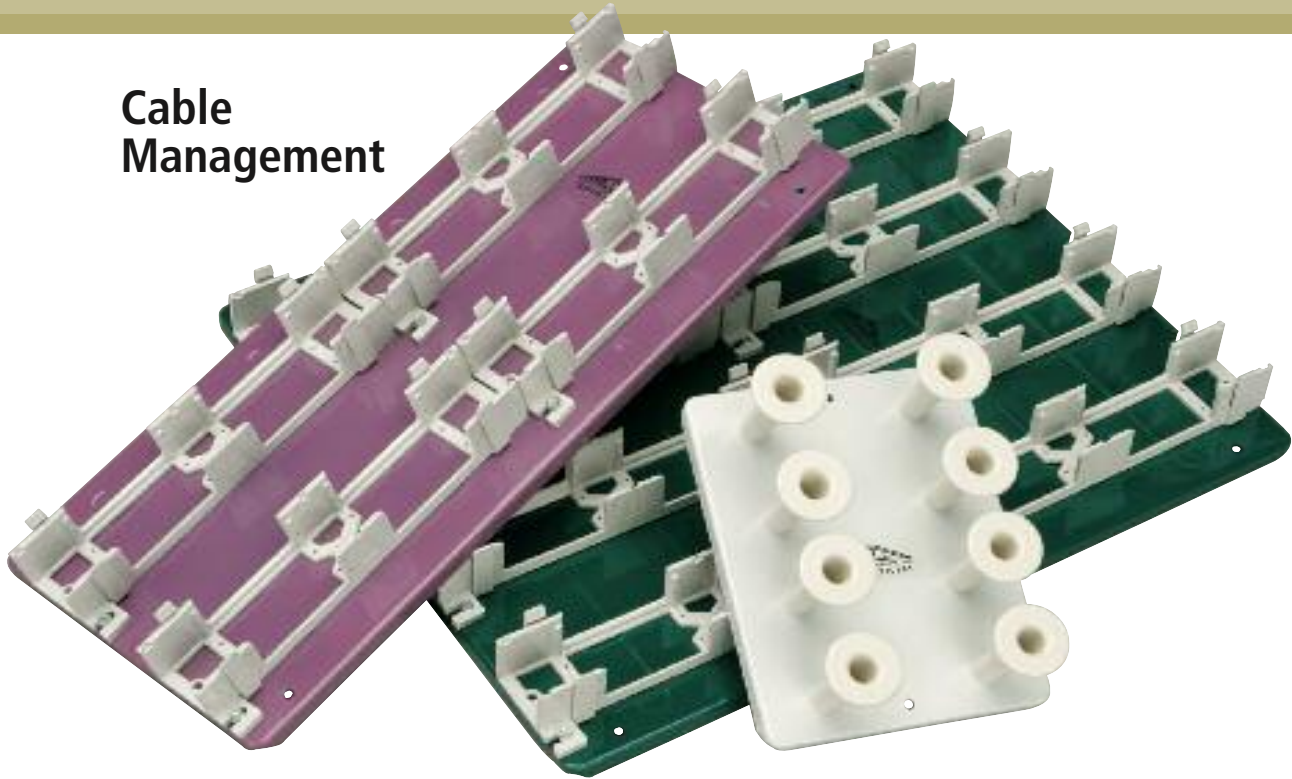
## Fiber Optic Cable Assemblies

Full line of high quality single mode and multimode fiber optic cable assemblies



(See page 77 for complete ordering information)

## Cable Management



Telecom Room

## Color Code Identification

### Backboard Used to Terminate

Backboard Color

**BLUE**

Connector cables toward customer's Key Telephone Sets

**GREEN**

Cables toward the Central Office

**RED**

Cables or lines to and from Key Telephone Equipment

**PURPLE**

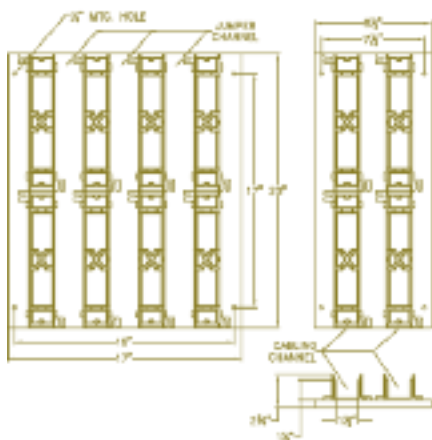
Cables or lines to and from PBX Equipment

**YELLOW**

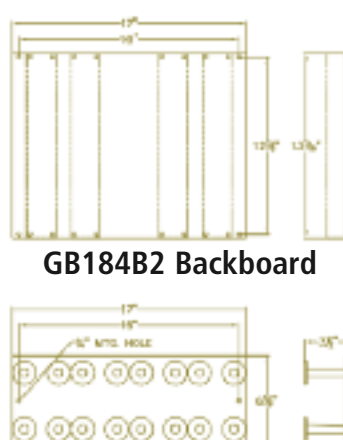
Cables or lines to and from Special Services Equipment

**WHITE**

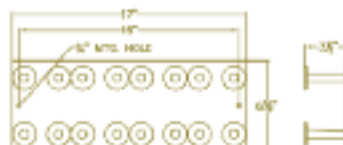
Special Backboard for routing cross connecting runs between GB183 Type Backboards



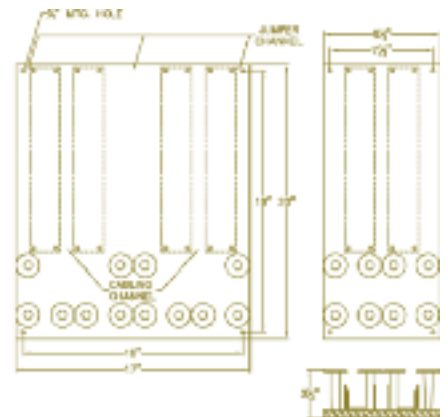
GB183 Series Backboards



GB184B2 Backboard



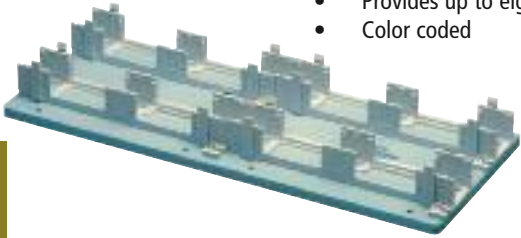
GB187B1 Backboard



GB184 and GB185 Series Backboards

## Backboards

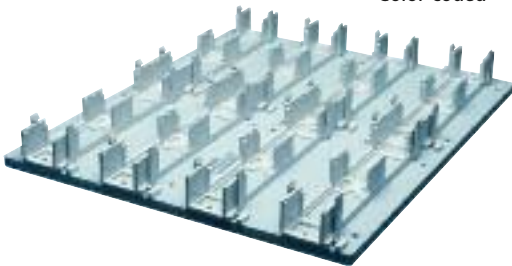
- Half module 8 1/2" x 20"
- Includes four GB89D mounting brackets
- Provides up to eight 25-pair cable terminations
- Color coded



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GB183A-White	Half Module White	4	4
GB183A1	Half Module Blue	4	4
GB183A1M	Half Module Blue Metal	8	8
GB183A2	Half Module Green	4	4
GB183A2M	Half Module Green Metal	8	8
GB183A4	Half Module Purple	4	4
GB183A4M	Half Module Purple Metal	8	8
GB183A5	Half Module Yellow	4	4
GB183A5M	Half Module Yellow Metal	8	8
GB183A6	Half Module Grey	4	4

## Backboards

- Full Module 17" x 20"
- Includes eight GB89D mounting brackets
- Provides up to sixteen 25-pair terminations
- Color coded



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GB183B1	Full Module Blue	2	2
GB183B1M	Full Module Blue Metal	4	4
GB183B2	Full Module Green	2	2
GB183B2M	Full Module Green Metal	4	4
GB183B3	Full Module Red	2	2
GB183B3M	Full Module Red Metal	4	4
GB183B4	Full Module Purple	2	2
GB183B4M	Full Module Purple Metal	4	4
GB183B5	Full Module Yellow	2	2
GB183B5M	Full Module Yellow Metal	4	4

Fire retardant paint on all wood backboards

## Backboards

- Blue backboard 8 1/2" x 10"
- Includes two GB89D mounting brackets
- Space between mounting brackets accommodates cross connect wires

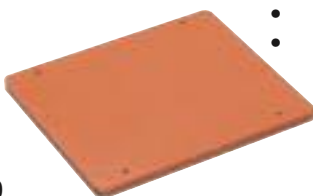


Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GB183C1	Backboard Blue	8	8
GB183C1M	Backboard Blue Metal	16	16

Fire retardant paint on all wood backboards

## Backboards

- Orange backboard 8 1/2" x 10"
- Used for mounting network interface products



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GB183C6	Backboard Orange	1	1

Fire retardant paint on all wood backboards

Fire retardant paint on all wood backboards



## Backboards

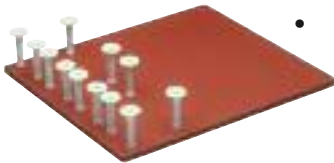
- Half Module 8 1/2" x 20"
- Includes six GB20 distributing posts
- Efficient method of cross connecting between backboard modules



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GB184A1	Half Module Red	4	4
GB184A1M	Half Module Red Metal	8	8
GB185A1	Half Module Yellow	4	4
GB185A1M	Half Module Yellow Metal	8	8

## Backboards

- Full module 17" x 20"
- Includes twelve GB20 distributing posts

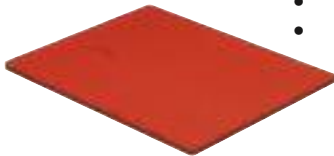


Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GB184B1	Full Module Red	2	2

Fire retardant paint on all wood backboards

## Backboards

- Blank backboard 13 7/16" x 17"
- Normally mounted above GB184B1 Red backboards when additional terminating facilities are required



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GB184B2	Blank Backboard Red	1	1

Fire retardant paint on all wood backboards

## Backboards

- Backboard 6 5/8" x 8 1/2"
- Includes eight GB20 distributing posts



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GB187A1	Backboard White	8	8
GB187A1M	Backboard White Metal	20	20

Fire retardant paint on all wood backboards

## Backboards

- Backboard 6 5/8" x 17"
- Includes sixteen GB20 distributing posts

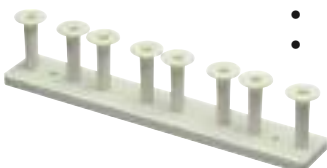


Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GB187B1	Backboard White	4	4
GB187B1M	Backboard White Metal	10	10

Fire retardant paint on all wood backboards

## Backboards

- Backboard 3 5/16" x 17"
- Includes eight GB20 distributing posts

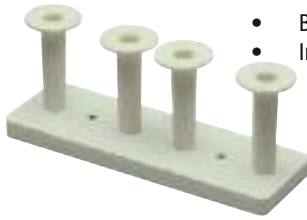


Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GB187D1	Backboard White	10	10
GB187D1M	Backboard White Metal	20	20

Fire retardant paint on all wood backboards



## Backboards



- Backboard 2 13/32" x 8 1/2"
- Includes four GB20 distributing posts

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GB198A	Backboard White	20	20
GB198AM	Backboard White Metal	60	60

Fire retardant paint on all wood backboards

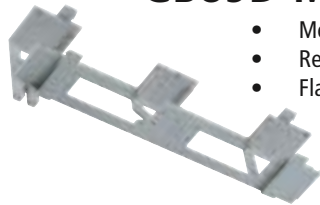
## Distributing Post



- GB20 is 3" high and includes a #8 round head wood screw
- Flame retardant ABS plastic meeting UL 94-V.O. specifications

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GB20	Distributing Post	50	800

## GB89D Mounting Bracket



- Mounts AT66-12P, AT55B-12P and connecting blocks
- Retaining housing is reinforced to prevent inadvertent spreading of the bracket
- Flame retardant ABS meeting UL 94-V.O. specifications

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GB89D	Mounting Bracket	50	200

## Distributing Rings



- Constructed of die cast aluminum
- Designed for cross connect wiring applications
- GB10 Series has open end e/w plastic protective cap

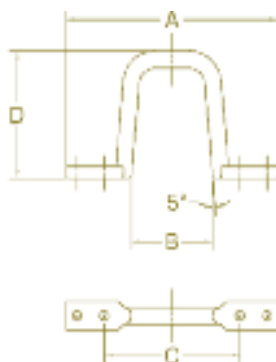
Part Number	B	D	E	Std. Pkg. Qty.	Std. Ctn. Qty.
GB10A	1 7/8"	2 3/4"	7/8"	100	100
GB10B	3 1/8"	3 3/4"	1 1/4"	100	100
GB10C	5 1/8"	3 3/4"	1 1/4"	100	100

Part Number	A	B	C	D	Std. Pkg. Qty.	Std. Ctn. Qty.
GB13A	4 7/8"	1 7/8"	3 1/8"	2 3/4"	100	100
GB13B	6 1/8"	3 1/8"	4 3/8"	3 3/4"	100	100
GB13C	8 1/8"	5 1/8"	6 3/8"	3 3/4"	100	100



GB13 Series



GB10 Series



## Termination Tools



- Designed to terminate and cut 2, 3, 4 and 5-pair conductors on 110 type connecting blocks
- Interchangeable handle is ergonomically designed to reduce operator fatigue
- Cutting blade rotates in order to terminate conductors

(Interchangeable handle)



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT110-5P	5 Pair Cat 5e 110 Termination Tool	1	1
AT110-5PRH	5 Pair Cat 5e 110 Replacement Head	1	1
AT116-4P	4 Pair Cat 6 110 Termination Tool	1	1
AT116-4PRH	4 Pair Cat 6 110 Replacement Head	1	1

## Versatap Terminating Palm Tool



- Designed to save time and reduce fatigue on hands
- Terminates Versatap Modular Voice and Data Jacks using the AT110 Impact Tool

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT30VC6	Versatap Terminating Palm Tool	1	1

**NEW!**

## Cable Jacket Stripper

- Handy, compact and easy to use
- Fast way to strip any cable or cordage for termination in jacks, patch panels and more



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
ATCJS	Cable Jacket Stripper	1	1

## Impact Tools

- Terminations are quick and simple
- Reversible Blade to let you terminate and cut in one stroke or terminate without cutting



AT110

AT66

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT110	Impact Tool for 110 IDC Termination	1	1
AT110BLD	Replacement 110 Reversible Blade	1	1
AT66	Impact Tool for 66 Clip Termination	1	1
AT66BLD	Replacement 66 Reversible Blade	1	1

**NEW!**

## Mini-Termination Tool

- Compact and portable, 5" total length
- Dual 110/66 punch-down blade swivels inside the ergonomic handle
- Snapped into place, the blade remains stable and secure



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT110-66	Mini-Termination Tool	1	1

## Designed for Performance

Allen Tel manufactures a full array of standards-based, high quality copper patch cords and fiber jumpers.

### Channel Performance Testing

Products are regularly tested in-house and at independent nationally recognized test labs (NRLT) to exceed TIA/EIA Cat 5e, Cat 6 and Cat 6A channel performance with leading network cable manufactures.

### Custom Cable Assembly, Engineering & Manufacturing

Allen Tel's manufacturing capabilities provide the same high quality and quick turnaround of unique configurations, special lengths, jacketing, proprietary packaging and labeling.

### Product Features:

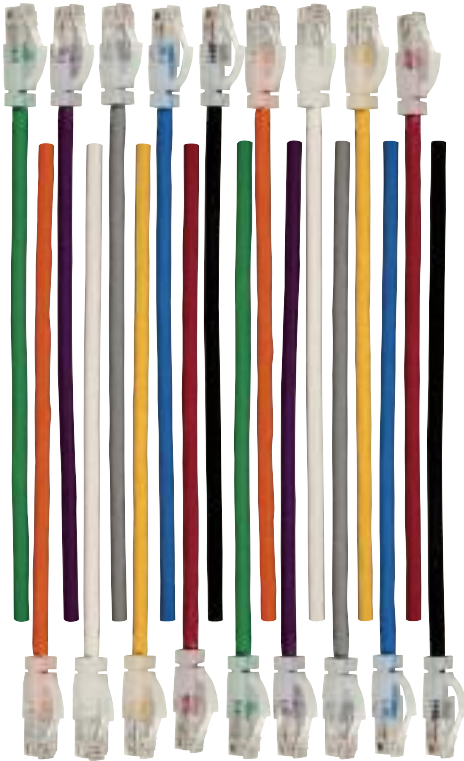
- Category 5e, 6 and 6A Patch Cords
- Exceeds TIA/EIA 568B standards
- 100% Tested & Approved
- Connectorized Cables
- Telephone Line and Handset cords
- Modular Plugs
- Crimping Tools
- UL & CSA Listed and RoHS compliant

Connectivity products demand interoperability, flexibility, speed and reliability. Allen Tel meets this demand with high quality, dependable structured cabling products.

Category 6A 10Gb Patch Cords.....	Page 75	Line Cords.....	Page 79
Category 6 Patch Cords .....	Page 75	Handset Cords.....	Page 79
Category 5e Patch Cords.....	Page 76	Modular Extension Cords.....	Page 79
Connectorized Cables.....	Page 76	Modular Category 3 Plugs for Stranded Wire.....	Page 80
Fiber Optic Cable Assemblies .....	Page 77	Modular Plugs for Solid Wire (Smoky Grey Color) .....	Page 80
Category 5e Crossover Cable.....	Page 78	Bulk Line Cordage .....	Page 81
Category 6 Crossover Cable.....	Page 78	Crimping Tools.....	Page 81
Category 3 Data Cords and Cable .....	Page 78	Super B Wire Connectors.....	Page 81
Category 3 Bulk Cable.....	Page 78		

# Patch Cords

## Category 6A 10Gb Patch Cords



- Designed to exceed TIA/EIA-568-B.2-10 Category 6A standard
- 100% Tested and approved for Category 6A channel compliance
- Custom colors and lengths available upon request
- Snagless
- Variety of colors
- 500 MHz

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
ATG1001-XX	Cat6A 10GB Patch Cord 1ft	25	400
ATG1002-XX	Cat6A 10GB Patch Cord 2ft	25	300
ATG1003-XX	Cat6A 10GB Patch Cord 3ft	25	200
ATG1004-XX	Cat6A 10GB Patch Cord 4ft	25	175
ATG1005-XX	Cat6A 10GB Patch Cord 5ft	25	175
ATG1007-XX	Cat6A 10GB Patch Cord 7ft	25	150
ATG1010-XX	Cat6A 10GB Patch Cord 10ft	25	100
ATG1014-XX	Cat6A 10GB Patch Cord 14ft	25	75
ATG1015-XX	Cat6A 10GB Patch Cord 15ft	1	75
ATG1018-XX	Cat6A 10GB Patch Cord 18ft	1	60
ATG1020-XX	Cat6A 10GB Patch Cord 20ft	1	50
ATG1025-XX	Cat6A 10GB Patch Cord 25ft	1	40
ATG1050-XX	Cat6A 10GB Patch Cord 50ft	1	20
ATG10100-XX	Cat6A 10GB Patch Cord 100ft	1	10

XX colors: WH-White; YL-Yellow; BU-Blue; RD-Red; GY-Grey; I-Ivory; BK-Black; GN-Green; OR-Orange; P-Purple

## Category 6 Patch Cords



- Designed to Exceeds TIA/EIA-68-B.2-1 Category 6 standard
- 100% tested and approved for Category 6 channel compliance
- Custom colors and lengths available upon request
- Snagless
- 350 MHz

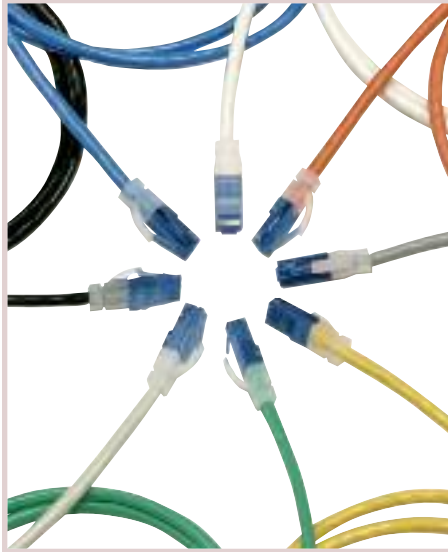
Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT1601-XX	Cat6 Patch Cord 1ft	25	400
AT1602-XX	Cat6 Patch Cord 2ft	25	300
AT1603-XX	Cat6 Patch Cord 3ft	25	200
AT1604-XX	Cat6 Patch Cord 4ft	25	175
AT1605-XX	Cat6 Patch Cord 5ft	25	175
AT1607-XX	Cat6 Patch Cord 7ft	25	150
AT1610-XX	Cat6 Patch Cord 10ft	25	100
AT1614-XX	Cat6 Patch Cord 14ft	25	75
AT1615-XX	Cat6 Patch Cord 15ft	1	75
AT1618-XX	Cat6 Patch Cord 18ft	1	60
AT1620-XX	Cat6 Patch Cord 20ft	1	50
AT1625-XX	Cat6 Patch Cord 25ft	1	40
AT1650-XX	Cat6 Patch Cord 50ft	1	20
AT16100-XX	Cat6 Patch Cord 100ft	1	10

XX Colors: WH-White, YL-Yellow, BU-Blue, RD-Red, GY-Grey, I-Ivory, BK-Black, GN-Green, OR-Orange, P-Purple

# Patch Cords

## Category 5e Patch Cords

- Exceeds TIA/EIA Category 5e standard (Wired 568B)
- 100% tested and approved for Category 5e channel compliance
- Custom colors and lengths available upon request
- Snagless
- Variety of colors
- 155 MHz



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT1501EV-XX	Cat5e Patch Cord 1ft	25	500
AT1502EV-XX	Cat5e Patch Cord 2 ft	25	400
AT1503EV-XX	Cat5e Patch Cord 3 ft	25	300
AT1504EV-XX	Cat5e Patch Cord 4 ft	25	300
AT1505EV-XX	Cat5e Patch Cord 5 ft	25	250
AT1507EV-XX	Cat5e Patch Cord 7 ft	25	200
AT1510EV-XX	Cat5e Patch Cord 10 ft	25	150
AT1514EV-XX	Cat5e Patch Cord 14 ft	25	100
AT1515EV-XX	Cat5e Patch Cord 15 ft	1	100
AT1518EV-XX	Cat5e Patch Cord 18 ft	1	80
AT1520EV-XX	Cat5e Patch Cord 20 ft	1	70
AT1525EV-XX	Cat5e Patch Cord 25 ft	1	65
AT1550EV-XX	Cat5e Patch Cord 50 ft	1	30
AT15100EV-XX	Cat5e Patch Cord 100 ft	1	15

XX Colors: WH-White, YL-Yellow, BU-Blue, RD-Red, GY-Grey, I-Ivory, BK-Black, GN-Green, OR-Orange, P-Purple

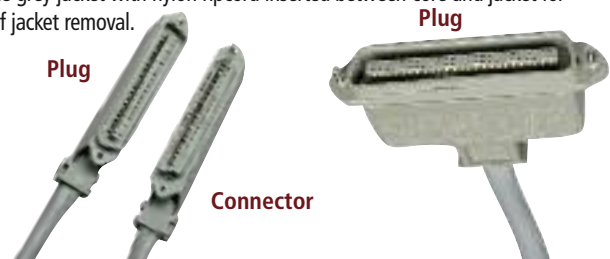
## Connectorized Cables

Allen Tel Products Inc. offers a complete line of plug-in connector cables. They are available in 25 pair with various plug, connector and length combinations. Conductors are 24 AWG bare solid annealed copper wire. Polyvinyl chloride is used as insulation over the conductors. It is semi-rigid heat resistant and is resistant to abrasion and cold flow. Fully color coded band marked with individual pairs twisted for ease of identification. The color band on each conductor matches body insulation color of matching conductor.

### Electrical Characteristics

Frequency MHz	Attenuation dB/100m	Next dB (worst pair)	Impedance Ohms
0.256	1.3	/	/
0.512	1.8	/	/
0.772	2.2	43	/
1.0	2.8	41	100±15
4.0	5.8	32	100±15
5.0	8.5	27	100±15
10.0	9.7	26	100±15
16.0	13.1	23	100±15

Standard telephone industry color code is incorporated throughout. Polyvinyl chloride grey jacket with nylon ripcord inserted between core and jacket for ease of jacket removal.

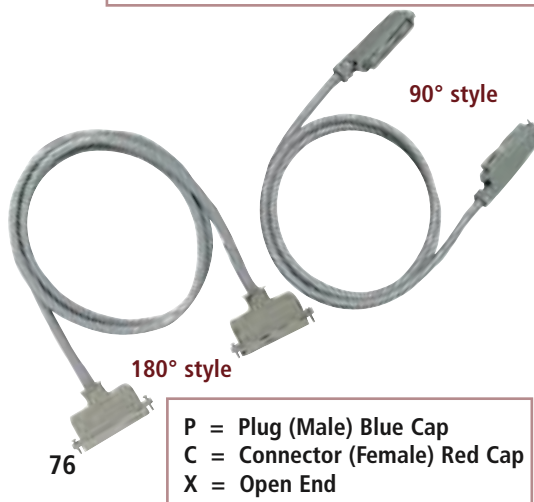


Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
25-3-CC-XX-GY	90° Connector at both ends	1	1
25-3-CX-XX-GY	90° Connector at one end only	1	1
25-3-PC-XX-GY	90° Plug at one end, 90° connector at one end	1	1
25-3-PP-XX-GY	90° Plug at both ends	1	1
25-3-PX-XX-GY	90° Plug at one end only	1	1

XX Length in Feet: 5, 10, 15, 20, 25, 30, 40, 50, 75, 100, 150, 200

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
25-3-PP-XX-180	Cable to panel, 180° plug at each end	1	1
25-3-PX-XX-180	Cable to panel, 180° plug at one end only	1	1

XX Length in Feet: 5, 10, 15, 20, 25, 30, 40, 50, 75, 100, 150, 200. See pages 88 thru 90 for 25 pair adapter accessories.

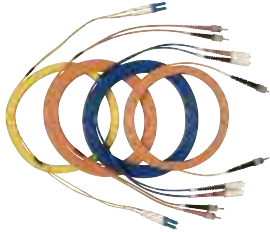


P = Plug (Male) Blue Cap  
C = Connector (Female) Red Cap  
X = Open End

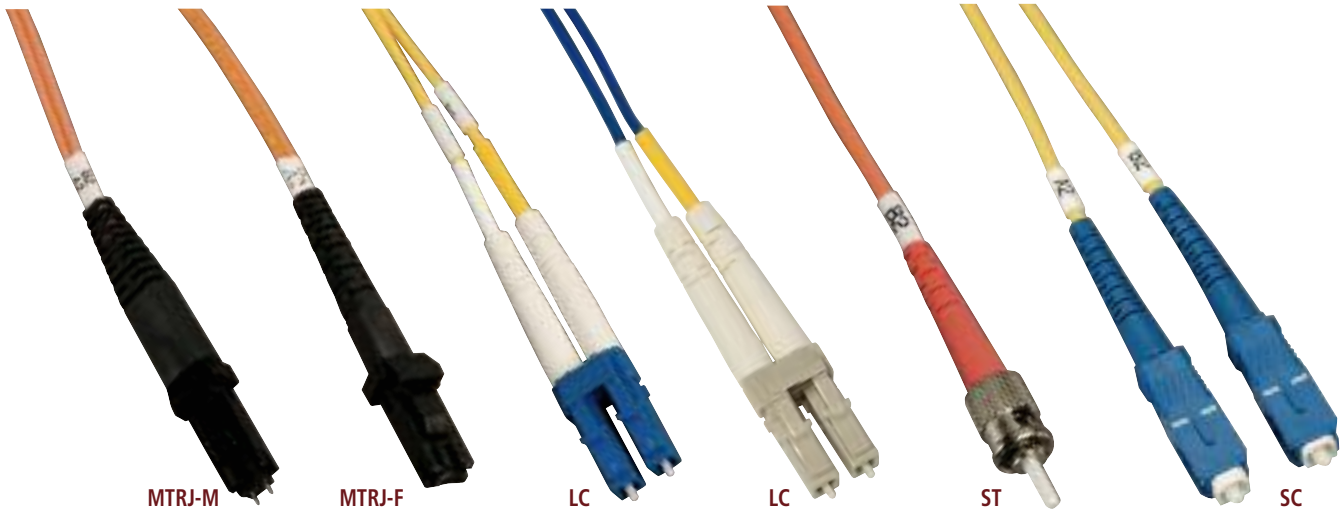


# Patch Cords

## Fiber Optic Cable Assemblies



- Full line of high quality single mode and multimode fiber optic cable assemblies
- All cables are 100% tested for insertion loss and back reflection
- Available in industry standard lengths in meters
- Individual removable dust covers
- Custom configurations available
- Pigtailed are available upon request



MTRJ-M

MTRJ-F

LC

LC

ST

SC

**GB S C 2 - D 4 - 03**

### Connector to Connector Configurations

FC2	FC to FC
FCC	FC to SC
FCT	FC to ST
LC2	LC to LC
LCC	LC to SC
LCT	LC to ST
MF2	MTRJ Female to MTRJ Female
MFC	MTRJ Female to SC
MFL	MTRJ Female to LC
MFT	MTRJ Female to ST
MM2	MTRJ Male to MTRJ Male
MMC	MTRJ Male to SC
MMF	MTRJ Male to MTRJ Female
MMT	MTRJ Male to ST
SC2	SC to SC
ST2	ST to ST
STC	ST to SC

### Length

01 - 1 Meter	08 - 8 Meter
02 - 2 Meter	09 - 9 Meter
03 - 3 Meter	10 - 10 Meter
04 - 4 Meter	15 - 15 Meter
05 - 5 Meter	20 - 20 Meter
06 - 6 Meter	25 - 25 Meter
07 - 7 Meter	30 - 30 Meter

### Fiber

- 1 - Single Mode 9/125 OS1 (Yellow Jacket)  
Insertion loss < 0.2dB
- 2 - Multimode 62.5/125 OM1 (Orange Jacket)  
Insertion loss < 0.3dB
- 3 - Multimode (Only) 50/125 OM2 (Blue Jacket)  
Insertion loss < 0.3dB
- 4 - Multimode (Only) 50/125 850nm OM3  
laser-optimized 10Gb (Aqua Jacket)  
Insertion loss < 0.2dB
- 5 - Multimode (Only) 50/125 850nm OM4  
laser-optimized 10Gb  
Insertion loss < 0.2dB

### Cable Type

- S - Simplex  
D - Duplex

## Ordering Example

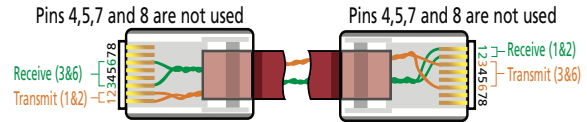
**GBSC2-D4-03**

10Gb SC to SC duplex 50/125 microns laser-optimized multimode - 3 Meters

# Patch Cords

## Category 5e Crossover Cable

- Ethernet crossover cable (2 Pair)
- Red Category 5e UTP cable with yellow boots
- Special lengths and colors available



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.	Pin #	Wire Color
AT1503-REC	Red ethernet crossover cable 3 ft	25	300	Pin 1	Orange/White
AT1505-REC	Red ethernet crossover cable 5 ft	25	250	Pin 2	Orange
AT1507-REC	Red ethernet crossover cable 7 ft	25	200	Pin 3	Green/White
AT1510-REC	Red ethernet crossover cable 10 ft	25	150	Pin 4	-
AT1514-REC	Red ethernet crossover cable 14 ft	25	100	Pin 5	-
AT1518-REC	Red ethernet crossover cable 18 ft	1	80	Pin 6	Green
AT1525-REC	Red ethernet crossover cable 25 ft	1	65	Pin 7	-
				Pin 8	-
				<b>Crossed-Over</b>	
				1	→ 3
				2	→ 6
				3	→ 1
				6	→ 2

## Category 6 Crossover Cable

- Ethernet crossover cable
- Black Category 6 UTP cable with yellow boots
- Special lengths and colors available



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT1603-REC	Black ethernet crossover cable 3 ft	25	200
AT1605-REC	Black ethernet crossover cable 5 ft	25	175
AT1607-REC	Black ethernet crossover cable 7 ft	25	150
AT1610-REC	Black ethernet crossover cable 10 ft	25	100
AT1614-REC	Black ethernet crossover cable 14 ft	25	75
AT1618-REC	Black ethernet crossover cable 18 ft	1	60
AT1625-REC	Black ethernet crossover cable 25 ft	1	40

## Category 3 Data Cords and Cable

- Designed for 16 Mbps UTP token ring network
- Data cords wired pin to pin with modular plugs on both ends

### Electrical Characteristics

Requirement	256 Khz	512 Khz	772 Khz	1 Mhz	4 Mhz	10 Mhz	16 Mhz	20 Mhz
Attenuation (db/1000 Ft. at 20C)	3.4	4.6	5.7	6.5	13	22	27	31
NEXT (db/1000 Ft.)	N/A	N/A	58	56	47	41	38	36
Mutual Capacitance (at 1.0 Khz)	14.0 Pf/FT.	(46PF/M)	DC Resistance: 28.6 Max per 1000 Ft. 200 C					
Impedance	At 1-25 Mhz							



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT12XX-4C	6-position 4-conductor	1	1
AT12XX-6C	6-position 6-conductor	1	1
AT12XX-NK	8-position 8-conductor	1	1

**XX Lengths:** 01-1 ft, 03-3 ft, 05-5 ft, 07-7 ft, 10-10 ft, 15-15 ft, 25-25 ft

**Note:** Replace "NK" with "K" if keyed plugs are required

## Category 3 Bulk Cable



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT4CRB	4-conductor bulk cable 1000 ft	1	1
AT6CRB	6-conductor bulk cable 1000 ft	1	1
AT8CRB	8-conductor bulk cable 1000 ft	1	1

# Patch Cords

## Line Cord



- 4-conductor, flat, satin silver line cord
- Custom lengths available upon request

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT407	Full modular line cord 7 ft	1	400
AT414	Full modular line cord 14 ft	1	200
AT425	Full modular line cord 25 ft	1	160

## Line Cord



- 6-conductor, flat, satin silver line cord
- Custom lengths available upon request

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT607	Full modular line cord 7 ft	1	300
AT614	Full modular line cord 14 ft	1	150
AT625	Full modular line cord 25 ft	1	100

## Line Cord



- 8-conductor, flat, satin silver line cord. Specify either "NK" – non-keyed or "K" – keyed
- Custom lengths available upon request

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT1007-NK or K	Full modular line cord 7 ft	1	250
AT1014-NK or K	Full modular line cord 14 ft	1	150
AT1025-NK or K	Full modular line cord 25 ft	1	100

## Line Cord



- 4-conductor, flat, satin silver line cord
- Custom lengths available upon request

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT307	1/4 modular line cord 7 ft	1	25
AT314	1/4 modular line cord 14 ft	1	25
AT325	1/4 modular line cord 25 ft	1	25

## Handset Cord



- 4-conductor, retractile handset cord

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT806-XX	Full modular handset cord 6 ft	25	300
AT812-XX	Full modular handset cord 12 ft	25	150
AT825-XX	Full modular handset cord 25 ft	1	100

XX Colors: 00-Black, 09-Ivory, 13-Beige, 14-Grey, 15-White, 44-Ash, 45-Cocoa Brown

## Modular Extension Cords



- Flat modular extension 4-conductor line cord e/w duplex ivory jack

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT206-12	Modular duplex extension cord 12 ft	1	25
AT206-25	Modular duplex extension cord 25 ft	1	25

## Modular Extension Cords



- Flat modular extension 4-conductor line cord e/w single ivory jack

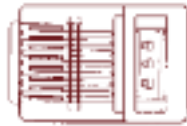
Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT207-12	Modular extension cord 12 ft	1	25
AT207-25	Modular extension cord 25 ft	1	25

## Modular Plugs for Stranded Wire

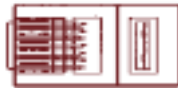
- 24 - 26 gauge wire
- All Allen Tel Modular Plugs are UL & CSA Listed, and RoHS compliant



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT4X4	4-contact, 4-position plug for handset cords	50	1000
AT4X6	4-contact, 6-position plug for line cords	50	1000



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT8X8	8-contact, 8-position plug for line cords and data applications	50	1000
AT8X8K	Same as AT8X8 except keyed	50	1000



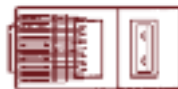
Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT8X8RC	8-contact, 8-position modular plug designed for round cordage such as AT8CRB	50	1000



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT6X6	6-contact, 6-position plug for line cords	50	1000



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT6X6DEC	6-contact, 6-position DEC plug for line cords	50	1000



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT10X10	10-contact, 10-position Body size is the same as AT8X8	50	400

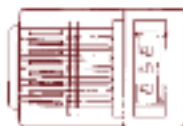
## Modular Plugs for Solid Wire (Smoky Grey Color)

- Designed for flat cord



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT4X4SC-2224	4-contact, 4-position plug for 24GA solid wire	100	1000
AT4X6SC-2224	4-contact, 6-position plug for 24GA solid wire	100	1000
AT6X6SC-2224	6-contact, 6-position plug for 24GA solid wire	100	1000
AT8X8SC-2224	8-contact, 8-position plug for 24GA solid wire	100	1000

- Designed for rounded cord



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT6X6RCSC-2224	6-contact, 6-position plug for round cord with solid 24GA wire	100	1000
AT8X8RCSC-24	8-contact plug for round cord with solid 23/24GA wire	100	1000

Meets Graybar's Direct Attach Cat 5e and Cat 6 performance

# Patch Cords

## Bulk Line Cordage

- Satin silver, flat line cord
- Conductors are 26 AWG, 7 strand bare copper wire
- PVC insulated



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT4CLC	4-conductor bulk line cordage 1000 ft	1	1
AT4CLC-00	4-conductor bulk line cordage 1000 ft, Color - Black	1	1
AT6CLC	6-conductor bulk line cordage 1000 ft	1	1
AT8CLC	8-conductor bulk line cordage 1000 ft	1	1

## Crimping Tool

- AT10 series of crimp tools are constructed of carbon steel and have a ratchet mechanism
- Designed for releasing at midcrimp when necessary



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT10A	AT10X10, 10-cond., 10-pos. plugs	1	1
AT10A-4	AT4X4, 4-cond., 4-pos. handset plugs	1	1
AT10A-6	RJ-11 (AT4X6 and AT6X6) plugs	1	1
AT10A-8	RJ-45 (AT8X8 and AT8X8K) plugs	1	1
AT10A-DEC	MMJ-RJ-11 (AT6X6DEC) plugs	1	1

## Crimping Tool

- Multi-function
- Safety guard and locking device
- Built-in cutter and stripper



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT546	RJ-22(AT4X4 handset) and RJ-11(AT4X6,AT6X6)	1	1
AT568	RJ-11(AT4X6,AT6X6) and RJ-45 (AT8X8 and AT8X8RC)	1	1
9703	Replacement cutting blades for AT546	1	1

## Crimping Tool

- Carbon steel construction
- Ratchet mechanism
- Multi-function
- Ease of installation



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT680	RJ-11(AT4X6,AT6X6) and RJ-45(AT8X8,AT8X8K)	1	1
AT682	RJ-22(AT4X4 Handset) and RJ-11(AT4X6,AT6X6)	1	1
9702	Replacement cutting blades for AT680 and AT682	1	1

## Super B Wire Connectors

- Ideal for low-voltage security, signaling, etc
- Economical and easy - no need to strip insulation



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GBCONN-P1000	Plain (unfilled) white tubing, 1000 box	1	1000
GBCONN-S1000	Sealant (filled) blue tubing, 1000 box	1	1000
GBCONN-P100	Plain (unfilled) white tubing, 100 bag	1	100
GBCONN-S100	Sealant (filled) blue tubing, 100 bag	1	100



## Designed for Performance

Allen Tel Products, Inc, offers a large line of quality connectors and accessories for Audio and Video solutions.

- BNC Adapters, Connectors and Terminators
- F Series CATV Connectors
- Co-axial Splitters
- In-Line Splice
- Coax Termination and Installation Tools
- Wall Plates

Our products are designed to provide the highest quality of data transmission for Audio and Video applications.

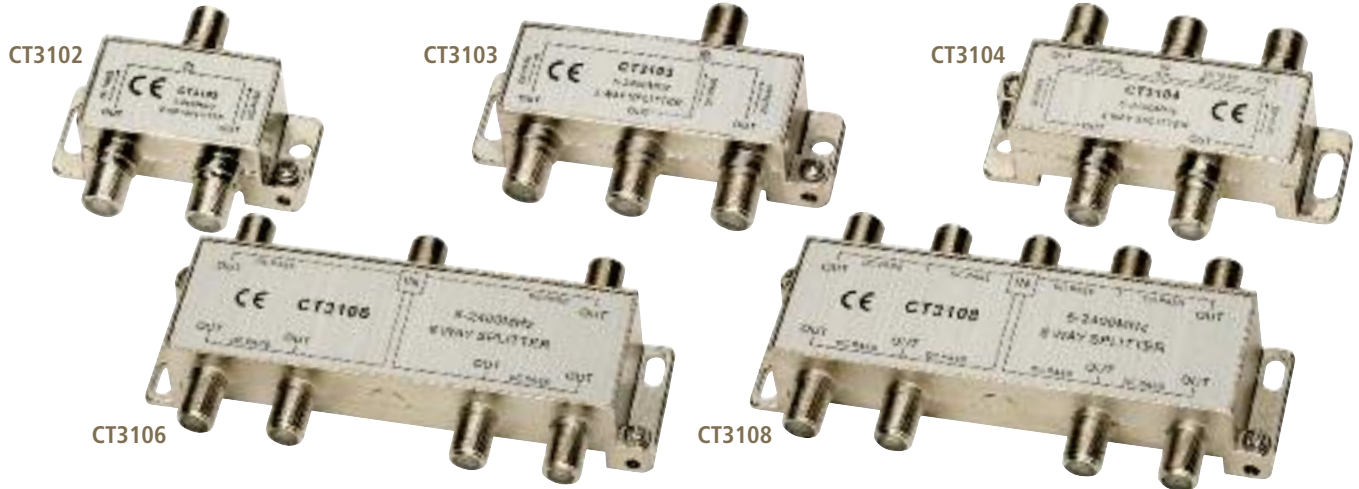
2.4 GHz Co-axial Splitters .....	Page 83	Co-axial Stripper Tool .....	Page 85
1 GHz Co-axial Splitters .....	Page 83	Male F Series CATV Connectors .....	Pages 86-88
900 MHz Co-axial Splitters .....	Page 83	In-line Coupler .....	Page 88
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Grounding Block .....	Page 85	BNC Tee Connectors .....	Page 90
Feed-thru Bushing .....	Page 85	BNC Bulk Head Splice .....	Page 90
Cable Clips .....	Page 85	BNC In-line Splice .....	Page 90
F-Connector Installation Tool .....	Page 85	BNC Terminator Plug .....	Page 90
CATV/Coax Crimp Tools .....	Page 85	Termination Instructions .....	Page 91

## Co-axial Splitters

*Ideally suited for numerous applications, including:*

**Commercial • Residential • Schools • Security • Satellite • CCTV**

- Integrated screw terminals for easy grounding
- All splitters include two (2) mounting screws
- All ports are F-female
- Anti-corrosive nickel plated finish – indoor/outdoor weather-resistant



### 2.4 GHz Co-axial Splitters

These passive splitters filter out signal variations, enabling the combination or splitting of digital cable/antenna signals with satellite signals

Part No.	Description	Bandwidth	Insertion Loss	Isolation	Return Loss In	Return Loss Out	Std. Pkg. Qty.	Std. Ctn. Qty.
CT3102	2.4GHz 2-way splitter	5-2400 MHz	7.2 dB max	18.0 dB min	8.0 dB min	8.0 dB min	1	100
CT3103	2.4GHz 3-way splitter	5-2400 MHz	12.5 dB max	18.0 dB min	8.0 dB min	8.0 dB min	1	100
CT3104	2.4GHz 4-way splitter	5-2400 MHz	12.8 dB max	18.0 dB min	8.0 dB min	8.0 dB min	1	100
CT3106	2.4GHz 6-way splitter	5-2400 MHz	15.0 dB max	20 dB min	8.0 dB min	8.0 dB min	1	50
CT3108	2.4GHz 8-way splitter	5-2400 MHz	17.0 dB max	20 dB min	8.0 dB min	8.0 dB min	1	50

### 1 GHz Co-axial Splitters

Part No.	Description	Bandwidth	Insertion Loss	Isolation	Return Loss In	Return Loss Out	Std. Pkg. Qty.	Std. Ctn. Qty.
CT2102	1GHz 2-way splitter	5-1000 MHz	5.0 dB max	20.0dB min	13 dB min	13dB min	1	125
CT2103	1GHz 3-way splitter	5-1000 MHz	8.5 db max	20.0 db min	15dB(min 14)	15db(min14)	1	100
CT2104	1GHz 4-way splitter	5-1000 MHz	9.5 dB max	20.0 dB min	14dB(min13)	14db(min13)	1	100
CT2106	1GHz 6-way splitter	5-1000 MHz	13.5dB max	20.0 dB min	14.0 dB min	15.0 dB min	1	50
CT2108	1GHz 8-way splitter	5-1000 MHz	13.5 dB max	20.0 dB min	14.0 dB min	15.0 dB min	1	50

### 900 MHz Co-axial Splitters



Part No.	Description	Bandwidth	Insertion Loss	Isolation	Return Loss In	Return Loss Out	Std. Pkg. Qty.	Std. Ctn. Qty.
CT411	900 MHz 2-way splitter	5-900 MHz	4.0dB+/-1.0dB	>3.8dB	>7.0dB	>8.5dB	1	125
CT412	900 MHz 2-way splitter	5-900 MHz	4.0dB+/-1.0dB	>3.8dB	>7.0dB	>6.5dB	1	125
CT413	900 MHz 3-way splitter	5-900 MHz	4.0dB+/-1.0dB; 9.0dB+/-2.0dB	>3.8dB	>4.5dB	>5.0dB	1	75
CT414	900 MHz 4-way splitter	5-900 MHz	8.0dB+/-2.0dB	>7.0dB	>4.0dB	>5.0dB	1	75
CT408	900 MHz 8-way splitter	5-900 MHz	<15.09dB	>9.08dB	>1.84dB	>4.7dB	1	50



## Flush Wall Plate Stainless Steel

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
ATBK-F-81	Flush stainless steel, single-gang plate e/w one (1) standard co-axial F-connector coupler	1	10



## Flush Wall Plate

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
CT103F-XX	Flush wall plate e/w F-81 Connector	1	10

XX Colors: 09-Ivory; 15-White



## Flush Wall Plate

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
CT102FF-XX	Duplex wall plate e/w two F-81 Connectors	1	10

XX Colors: 09-Ivory; 15-White



## Flush Wall Plate

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
CT103-XX	Faceplate w/3/8" hole for F-81 Connector	1	10

XX Colors: 09-Ivory; 15-White



## Flush Wall Plate

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
CT104F-XX	Faceplate e/w one F-81 Connector and one 6-position telephone jack	1	10

XX Colors: 09-Ivory; 15-White



## Flush Wall Plate Stainless Steel

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
ATBK-CX	Stainless steel faceplate with one .500" hole	1	50



## Flush Wall Plate Stainless Steel

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
ATBK-F	Stainless steel faceplate with one .375" hole	1	50

## Grounding Block



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
CT722	Grounding block, die cast with screws	1	100

## Feed-thru Bushing



- One hundred per package

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
CT240	For RG-59 cable	100	100
CT241	For RG-6 cable	100	100

## Cable Clips



- One hundred per package

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
CT726	For RG-59 cable	100	100
CT727	For RG-6 cable	100	100

## F-Connector Installation Tool



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
CT777	F-connector installation tool 6"	1	1
CT777-12	F-connector installation tool 12"	1	1

## CATV/Coax Crimp Tool



- Economy hex crimp tool for RG-6 and RG-59 cable

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
CT770	Crimp tool hex for RG-6 and RG-59	1	1

## CATV/Coax Crimp Tool



- Deluxe hex crimp tool for RG-6 and RG-59 cable

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
CT771	Crimp tool hex for RG-6 and RG-59, 75 ohm	1	1

## Co-axial Stripper Tool



- Strips and removes outer jacket on RG58/59/62/6

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
CT332	Coax Stripper PVC & Plenum	1	1

## Male F Series CATV Crimp, 2 Piece Connector



- Consists of separate 1/4" ring for RG-59 PVC cable
- Five connectors per package

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
CT701	For RG-59 PVC cable, 75 ohm	5	100

## Male F Series CATV Crimp, 1 Piece Connector



- Standard RG-59 cable
- Five connectors per package

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
CT703	For RG-59 standard cable, 75 ohm	5	100

## Male F Series CATV Crimp, 1 Piece Connector



- Standard RG-59 cable, moisture proof connector
- Five connectors per package

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
CT703MP	For RG-59 standard cable, moisture proof, 75 ohm	5	100

## Male F Series CATV Crimp, 1 Piece Connector



- Consists of attached 1/4" ring for RG-59 PVC cable
- Five connectors per package

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
CT705	For RG-59 PVC cable, 75 ohm	5	100

## Male F Series CATV Twist On, 1 Piece Connector



- Twist on – no crimp for RG-59 PVC cable – no tool required
- Five connectors per package

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
CT712	For RG-59 PVC cable twist on, 75 ohm	5	100



## Male F Series CATV Crimp, 2 Piece Connector



- Consists of separate 1/4" ring for RG-6 PVC cable
- Five connectors per package

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
CT715	For RG-6 PVC cable, 75 ohm	5	100

## Male F Series CATV Crimp, 1 Piece Connector



- Consists of attached 1/4" ring for RG-6 PVC cable
- Five connectors per package

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
CT716	For RG-6 PVC cable, 75 ohm	5	100

## Male F Series CATV Twist On, 1 Piece Connector



- Twist on – no crimp for RG-6 PVC cable – no tool required
- Two connectors per package

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
CT718	For RG-6 PVC cable twist on, 75 ohm	2	100

## Male F Series CATV Crimp, 1 Piece Connector



- Standard RG-6 cable
- Five connectors per package

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
CT732	For RG-6 standard cable, 75 ohm	5	100

## Male F Series CATV Twist On, 1 Piece Connector



- Twist on – no crimp for RG-6 PVC cable – no tool required
- Standard RG-6 cable, moisture proof connector
- Five connectors per package

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
CT732MP	For RG-6 standard cable, moisture proof, 75 ohm	5	100

## Male F Series CATV Crimp, 1 Piece Connector



- RG-6 quad shield
- Five connectors per package

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
CT734	For RG-6 quad shield, 75 ohm	5	100

## Male F Series CATV Twist On, 1 Piece Connector



- RG-6 cable for teflon/plenum
- Five connectors per package

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
CT746	For RG-6 cable for teflon/plenum, 75 ohm	5	100

## Male F Series CATV Twist On, 1 Piece Connector



- RG-59 cable for teflon/plenum
- Five connectors per package

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
CT749	For RG-59 cable for teflon/plenum, 75 ohm	5	100

## In-line F Series Coupler



- Female 3/4" with nut and washer
- Two couplers per package

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
CT721	In-line F-connector coupler, 1 GHz	2	100

## In-line F Series Coupler



- Double male splice
- Two couplers per package

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
CT724	Double male F-connector coupler	2	100

## F Series Terminator



- One watt 5% 75 ohms
- Five terminators per package

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
CT59T	F Terminator	5	100

## 75 Ohm BNC Co-axial Connectors & 50 Ohm BNC Connectors

- Co-axial connectors for network, video, security and computer peripheral interconnections
- BNC connectors allow ease of engagement and disengagement using bayonet couplings and overlapping dielectrics
- All Allen Tel BNC connectors, adapters and terminations come with gold plated contacts



GBNC-109B-75  
Twist-On



GBNC-117B-75  
Male Crimp



GBNC-108B-75  
Male Crimp



GBNC-125B-75  
Female Twist-On



GBNC-118B-75  
Female Crimp



GBNC-139-75  
Female Female Adapter



GBNC-140-75  
Female Male Female



GBNC-143-75  
Female Female Female



GBNC120B-75  
Male Terminator



GBNC58-O  
"O" Crimp



GBNC58-H  
Hex Crimp



GBNC58-T  
Twist-On

### Male Twist-On (1 Piece Construction)

Part Number	Part Description	Pkg. Qty.
GBNC-109B-75	RG59/ RG62 BNC Male Twist On	2
GBNC-109C-75	RG6 BNC Male Twist On	2
GBNC-109F-75	RG58 BNC Male Twist On, Teflon	2

### Male Crimp-Style (2 Piece Construction)

Part Number	Part Description	Pkg. Qty.
GBNC-117B-75	RG59 / RG62 BNC Male Crimp	1
GBNC-117C-75	RG6 BNC Male Crimp	1
GBNC-117G-75	RG59 / RG62 BNC Male Crimp, Teflon	1

### Male Crimp-Style (3 Piece Construction)

Part Number	Part Description	Pkg. Qty.
GBNC-108B-75	RG59 / RG62 BNC Male Crimp	1
GBNC-108C-75	RG6 BNC Male Crimp	1
GBNC-108G-75	RG59 / RG62 BNC Male Crimp, Teflon	1

### Female Twist-On (1 Piece Construction)

Part Number	Part Description	Pkg. Qty.
GBNC-125B-75	RG59/ RG62 BNC Female Twist On	2
GBNC-125C-75	RG6 BNC Female Twist On	2
GBNC-125G-75	RG58 BNC Female Twist On, Teflon	2

### Female Crimp-Style (2 Piece Construction)

Part Number	Part Description	Pkg. Qty.
GBNC-118B-75	RG59 / RG62 BNC Female Crimp	1
GBNC-118C-75	RG6 BNC Female Crimp	1
GBNC-118G-75	RG59 / RG62 BNC Female Crimp, Teflon	1

### Adapters and Terminators

Part Number	Part Description	Pkg. Qty.
GBNC-120B-75	BNC Male Terminator	1
GBNC-139-75	BNC Double F-F Adapter	2
GBNC-140-75	BNC T-Adapter, F-M-F	1
GBNC-143-75	BNC T-Adapter, F-F-F	1

## Ordering Info - 50 OHM BNC Connector

Cable	Part Number	Installation Method
RG/U 58	GBNC58-O GBNC58-H GBNC58-T	"O" Crimp Hex Crimp Twist-On
Plenum 58 Belden 88240 Berk-Tek BTDC and equivalent construction only	GBNC58-PH GBNC58-PO	Hex Crimp "O" Crimp
RG 62, 62A, 62B 59, 59A, 59B Belden 9291, 9209 and equivalent construction only	GBNC60-O GBNC60-T	"O" Crimp Twist-On
Plenum 59/62 Belden 88241, 89269 Berk-Tek BTDC-59 BTDC-62 and equivalent construction only	GBNC60-PO GBNC60-PH GBNC60-PT	"O" Crimp Hex Crimp Twist-On
Belden 9907 Comm/Scope 3104	GBNC70-O	"O" Crimp
Belden 89907 Comm/Scope 2104	GBNC80-O	"O" Crimp
All items 2 per package		

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GBNC58-O	BNC connector, 50 ohm O crimp	2	100
GBNC58-H	BNC connector, 50 ohm Hex crimp	2	100
GBNC58-T	BNC connector, 50 ohm Twist on	2	100

## BNC Tee Connector

- Jack-Plug-Jack, brass body



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GBNC-TCB	BNC Tee connector, 50 ohm	1	25

## BNC Tee Connector

- Jack-Plug-Jack, zinc body



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GBNC-TCZ	BNC Tee connector, 50 ohm	1	25

## BNC Bulk Head Splice

- Jack-to-Jack



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GBNC-BHS	BNC bulk head splice, 50 ohm	1	25

## BNC In-line Splice

- Jack-to-Jack
- Two splices per package



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GBNC-SPL	BNC in-line splice, 50 ohm	2	100

## BNC Terminator Plug

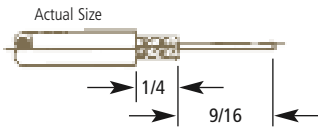
- One watt terminator plug



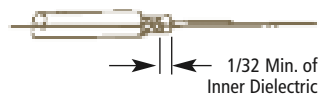
Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GBNC-TP	BNC terminator plug one watt	1	100

## Termination Instructions

### Twist-On BNC/TNC



1. Trim cable as shown. Taking care not to nick the center conductor or outer braid.



2. Twist the outer braid in a clockwise direction in such a manner that at least 1/32 of inner dielectric is bared and the braid is left flat (stray or loose braid can cause shorts).



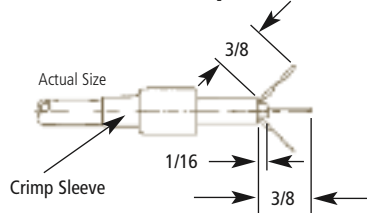
Back end of connector and inner dielectric flush.  
Center conductor is now in place.

3. Gently insert the center conductor down into the back end of the connector feeding it into the guide hole. When center conductor is not in place approx. 1.8" of center conductor will show.



4. Firmly push the cable home as far as possible, then screw the connector on the cable in a clockwise direction until it stops.

### Two-Piece Crimp BNC/TNC



1. Run crimp sleeve down cable.
2. Trim cables as shown, taking care not to nick outer braid.
3. Insert center conductor into the guide hole in the rear of the connector and firmly push the cable home.

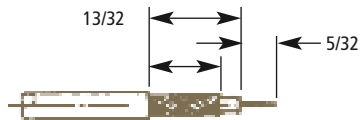


4. Push crimp sleeve into place, sandwiching the braid between the connector and sleeve.

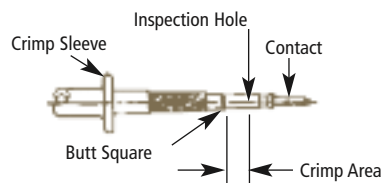


5. Crimp the sleeve into place with the proper crimp tool.

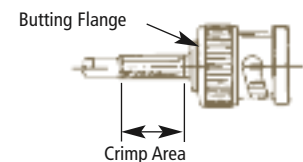
### Three-Piece Crimp BNC/TNC



1. Trim cable as shown. Taking care not to nick the inner conductor or braid.

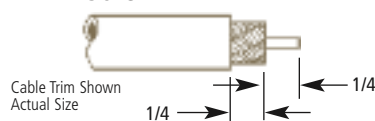


2. Slip crimp sleeve over cable. Place inner conductor into contact. Note that the end of contact and inner dielectric must be butting and square. Crimp with appropriate tooling.



3. Flair outer braid and gently but firmly push the contact into the connector housing until a gentle snap is felt, indicating the contact is in place. Slip the crimp sleeve in place, butting the flange against the connector body and crimp with appropriate tooling.

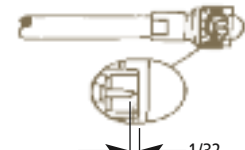
### N-Twist-On



1. Trim cable as shown, taking care not to nick the center conductor or outer braid. Make sure that the outer braid lays flat. Trim any loose braid which can cause shorts.



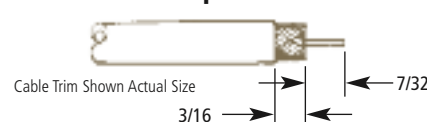
2. Twist the contact in a clockwise direction on the inner conductor until the back end of the contact is flush with the inner dielectric.



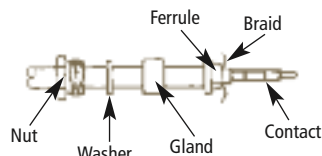
3. Twist the connector onto the cable in a clockwise direction. The connector is properly installed when the end of the contact is positioned within 1/32" of the front edge of the connector.

\*To aid in twisting on contact insert paper clip in thru hole.

### N-Solder Clamp



1. Trim cable as shown, taking care not to nick the center conductor or outer braid.

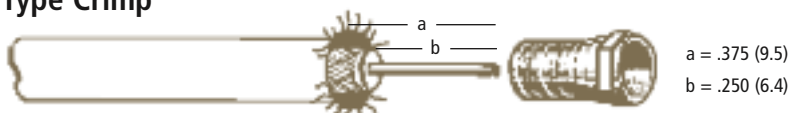


2. Run nut, washer, gland and ferrule over the cable, and flair the braid over the ferrule. Solder or crimp the contact to the center conductor.



3. Push the center contact home into the body assy., feeling it snap into place, and with all the loose components in place, complete the assembly by wrench tightening the nut.

### F Type Crimp



1. Trim cable jacket to 3/8" taking care not to nick the center conductor or outer braid. Fold braid back over jacket.
2. Remove foil and cut dielectric to length of 1/4", again taking care not to nick copper jacket of center conductor. Remove dielectric fuzz.

3. If using separate crimp ring, slide over folded-back braid.

4. If foil is burred, twist so that corner is smooth and provides a lead for the connector mandrel.

5. Install connector mandrel over foil and underneath the braid; trim braid if desired.

6. Slide crimp ring into place over braid and adjacent to connector body. Crimp with proper tool.



## Designed for Performance

Allen Tel Products, Inc. offers a full line of Outdoor / Emergency telephones that are designed the following applications;

- College campuses
- Airports
- Parking garages
- All other commercial, industrial, and government locations

Custom engineering and manufacturing are standard services. The variety of complete telephone models offered includes speakerphones and single line units using pulse, tone, or automatic dialing.

### Product Features:

- Outdoor Telephones
- Elevator and Emergency Telephones
- Courtesy Telephone
- Vandal Resistant Telephone
- Handset Hanger and Hookswitch Assemblies
- Dials

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# Telephones

## Non-Metallic Enclosures Designed for Harsh Environments

Allen Tel's new Non-Metallic Enclosure complements our array of Outdoor and Emergency Telephones. They are designed for environments ranging from frigid cold to severe heat and provide additional protection against moisture and corrosion. The weather-resistant Non-Metallic Enclosure is ideal for both indoor and outdoor applications. A wide array of options including customization for your specific requirements.



GB80H-EY

GB80H

### Housing Only



GB80H

GB80H-LL

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GB80H	Non-Metallic Enclosure, "TELEPHONE", Grey	1	1
GB80H-EY	Non-Metallic Enclosure, "EMERGENCY", Grey	1	1
GB80H-LL	Non-Metallic Enclosure, Less Logo, Grey	1	1

### Housing e/w Speakerphone



GB87SND

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GB87D	Outdoor Speakerphone, Tone Dial "Push to Operate" Switch and Programmable Disconnect	1	1
GB87N	Outdoor Speakerphone, No Dial "Push to Operate" Switch and Programmable Disconnect	1	1
GB87SND	Outdoor Speakerphone, Programmable Single Number Dialer "Push to Operate" Switch and Programmable Disconnect	1	1
GB87NADA	No dial for Automatic Ringdown Circuits, ADA Compliant	1	1

Option Codes: EY - EMERGENCY, LL - Less Logo Example: GB87DEY (EMERGENCY logo)

### Housing e/w Telephone Set



GB82VH

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GB82V	Single Line, Pushbutton Tone dial Equipped with Amplified Receiver	1	1
GB80VN	No Dial, Can Be Used with Auto Ringdown Circuits. Equipped with Amplified Receiver	1	1
GB80VS	Single Line, Programmable Single Number Dialer, Equipped with Amplified Receiver	1	1
GB80VD	Single Line, Pushbutton Pulse (Rotary Dial) Equipped with Amplified Receiver	1	1

Option Codes: H - 14" Armored Cord, L - Less Logo, M - Metal Dial (excludes GB80VN and GB80VS), T - Noise Canceling Transmitter, Y - Emergency Example: GB82V (TELEPHONE logo)

### Housing e/w Mini-Wall Telephone



GB84V

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GB84V	GB80H e/w GB2554V44 Mini-Wall Telephone Set	1	1

Option Codes: Y - EMERGENCY, L - Less Logo Example: GB84VY (EMERGENCY logo)

## Outdoor Telephones

- Housings are constructed of die cast aluminum and electrostatically deposited enamel finish
- GB90 series of telephones are equipped with either a push latch or a push key lock
- All housings are equipped with gaskets and the logo "Telephone". Other logos are available upon request
- Complete telephone models offered include speakerphones and single line units using pulse, tone or automatic dialing
- All handsets are equipped with hearing aid compatible amplified receivers
- See Page 100 for options available for multi-dial features
- See Page 99 for telephone dimensions and weights
- Outdoor speakerphones are not recommended for temperatures below -5°F (-20°C)



GB90H-04-SP

Part Number	Tel Set Less Housing	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GB90H-XX	N/A	Outdoor Housing Only	1	1
Options for GB90H-XX				
LL	Less Logo		LK	Plastic Lock e/w two keys, Keyed Different
EY	"EMERGENCY" Logo		LKZ	Multiple Plastic Locks Keyed Alike
LKM	Metal Key Lock		SP	Spring Loaded Door

XX Colors: 00-Black; 02-Red; 04-Yellow; 14-Grey Other colors available on special order. \*Custom Silkscreen available



GB90VN00

Part Number	Tel Set Less Housing	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GB92VXX	GB259V-LH	Single line, pushbutton tone dial equipped with amplified receiver	1	1
GB90VNXX	GB59VN-LH	No dial, can be used with auto ringdown circuits. Equipped with amplified receiver	1	1
GB90VSXX	GB59VS-LH	Single line, programmable single number dialer, equipped with amplified receiver	1	1
GB90VDXX	GB59VD-LH	Single line, pushbutton pulse (rotary dial) equipped with amplified receiver	1	1
Options				
H	14" Armored Cord		M	Metal Dial
Y	"Emergency" Logo		K	Plastic Lock e/w 2 Keys, Keyed Differently
L	Housing Less Logo		W	Metal Lock e/w 2 Keys, Keyed Alike
T	Noise Canceling Transmitter		Z	Multiple Plastic Locks, Keyed Alike
P	Spring Loaded Door			

XX Colors: 00-Black; 02-Red; 04-Yellow; 14-Grey Other colors available on special order. \*Custom Silkscreen available

## Outdoor Telephones

- Housings are constructed of die cast aluminum and electrostatically deposited enamel finish
- GB90 series of telephones are equipped with either a push latch or a push key lock
- All housings are equipped with gaskets and the logo "Telephone". Other logos are available upon request
- Complete telephone models offered include speakerphones and single line units using pulse, tone or automatic dialing
- All handsets are equipped with hearing aid compatible amplified receivers
- See Page 100 for options available for multi-dial features
- See Page 99 for telephone dimensions and weights
- Outdoor speakerphones are not recommended for temperatures below -5°F (-20°C)



GB94V02

Part Number	Mini Wall Phone	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GB94VXX	N/A	GB90H equipped with GB2554V44, mini wall telephone set e/w amplified receiver. Not available w/ armored cord	1	1
Options				
Y	"Emergency" Logo		K	Plastic Lock e/w 2 Keys, Keyed Differently
L	Housing Less Logo		W	Metal Lock e/w 2 Keys, Keyed Alike
P	Spring Loaded Door		Z	Multiple Plastic Locks, Keyed Alike

XX Colors: 00-Black; 02-Red; 04-Yellow; 14-Grey Other colors available on special order. \*Custom Silkscreen available



GB97N02

Part Number	Speakerphones	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GB97DXX	GB25900D-LH	Outdoor speakerphone, tone dial "Push to Operate" Switch and programmable disconnect	1	1
GB97NXX	GB25900N-LH	Outdoor speakerphone, no dial, "Push to Operate" Switch and programmable disconnect	1	1
GB97SNDXX	GB25900SND-LH	Outdoor speakerphone, programmable single number dialer, "Push to Operate" Switch and programmable disconnect	1	1
Options				
LL	Less Logo		LK	Plastic Lock e/w two keys, Keyed Different
EY	"EMERGENCY" Logo		LKZ	Multiple Plastic Locks Keyed Alike
LKM	Metal Key Lock		SP	Spring Loaded Door

XX Colors: 00-Black; 02-Red; 04-Yellow; 14-Grey Other colors available on special order. \*Custom Silkscreen available

## Outdoor Telephones

- Housings are constructed of die cast aluminum and electrostatically deposited enamel finish
- GB59 and GB259 Series of telephones are equipped with a stainless steel hasp, which will also accept a padlock
- All housings are equipped with gaskets and the logo "Telephone". Other logos are available upon request
- Complete telephone models offered include speakerphones and single line units using pulse, tone or automatic dialing
- All handsets are equipped with hearing aid compatible amplified receivers
- See Page 100 for options available for multi-dial features
- See Page 99 for telephone dimensions and weights
- Outdoor speakerphones are not recommended for temperatures below -5°F (-20°C)



GB5955H-02-SP

Part Number	Tel Set Less Housing	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GB5955H-XX	N/A	Outdoor Housing Only	1	1
Options for GB5955H-XX				
LL	Less Logo	*Custom Silkscreen available  <b>XX Colors:</b> 00-Black; 02-Red; 04-Yellow; 14-Grey Other colors available on special order		
EY	"EMERGENCY" Logo			
SP	Spring Loaded Door			



GB259V02HPM

Part Number	Tel Set Less Housing	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GB259VXX	GB259V-LH	Single line, pushbutton tone dial equipped with amplified receiver	1	1
GB59VNXX	GB59VN-LH	No dial, can be used with auto ringdown circuits. Equipped with amplified receiver	1	1
GB59VSXX	GB59VS-LH	Single line, programmable single number dialer, equipped with amplified receiver	1	1
GB59VDXX	GB59VD-LH	Single line, pushbutton pulse (rotary dial) equipped with amplified receiver	1	1
Options				
H	14" Armored Cord		T	Noise Cancelling Transmitter
Y	"Emergency" Logo		P	Spring Loaded Door
L	Housing Less Logo		M	Metal Dial

**XX Colors:** 00-Black; 02-Red; 04-Yellow; 14-Grey Other colors available on special order. \*Custom Silkscreen available



## Outdoor Telephones

- Housings are constructed of die cast aluminum and electrostatically deposited enamel finish
- GB59 and GB259 Series of telephones are equipped with a stainless steel hasp, which will also accept a padlock
- All housings are equipped with gaskets and the logo "Telephone". Other logos are available upon request
- Complete telephone models offered include speakerphones and single line units using pulse, tone or automatic dialing
- All handsets are equipped with hearing aid compatible amplified receivers
- See Page 100 for options available for multi-dial features
- See Page 99 for telephone dimensions and weights
- Outdoor speakerphones are not recommended for temperatures below -5°F (-20°C)



GB25900N-14

Part Number	Tel Set Less Housing	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GB25900D-XX	GB25900D-LH	Outdoor speakerphone, tone dial "Push to Operate" Switch and programmable disconnect	1	1
GB25900N-XX	GB25900N-LH	Outdoor speakerphone, no dial, "Push to Operate" Switch and programmable disconnect	1	1
GB25900SND-XX	GB25900SND-LH	Outdoor speakerphone, programmable single number dialer, "Push to Operate" Switch and programmable disconnect	1	1
Options				
LL	Less Logo		LK	Plastic Lock e/w two keys, Keyed Different
EY	"EMERGENCY" Logo		LKZ	Multiple Plastic Locks Keyed Alike
LKM	Metal Key Lock		SP	Spring Loaded Door

XX Colors: 00-Black; 02-Red; 04-Yellow; 14-Grey Other colors available on special order. \*Custom Silkscreen available

## ADA Outdoor Telephones

- Housing is constructed of die cast aluminum and electrostatically deposited enamel finish
- Braille labels and ID tones
- Two LED lamps to indicate "on" and "help on the way"
- All housings are equipped with gaskets and the logo "telephone". Other logos available upon request
- Auto answer
- Can be used for ringdown circuits or single number auto dialing
- Remote programmable
- Outdoor speakerphones are not recommended for temperatures below -5°F (-20°C)
- See Page 99 for telephone dimensions and weights



GB97NADA02

Part Number	Speakerphone Less Housing	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GB97NADAXX	GB25900N-ADA-LH	No dial for automatic ringdown circuits	1	1
GB97SNADAXX	GB25900SNDADALH	Outdoor speakerphone remote programmable single number dialer	1	1
Options				
Y	"EMERGENCY" Logo	*Custom Silkscreen available XX Colors: 00-Black; 02-Red; 04-Yellow; 14-Grey Other colors available on special order		
L	Housing Less Logo			

## ADA Outdoor Telephones

- Housings are constructed of die cast aluminum and electrostatically deposited enamel finish
- Handset with 29" armored cord, amplified receiver, spring loaded door
- Braille labeling and ID tones
- Two LED lamps to indicate "on" and "help on the way"
- All housings are equipped with gaskets and the logo "telephone". Other logos available upon request.
- GB70H housing is equipped with a push latch which can be disengaged to meet local ADA requirements
- Outdoor speakerphones are not recommended for temperatures below -5°F (-20°C)
- See Page 99 for telephone dimensions and weights



GB70VS02

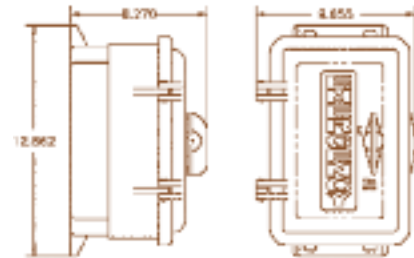
Part Number	Tel Set Less Housing	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GB70H-XX	N/A	Outdoor Housing only	1	1
Options for GB70H-XX				
LL	Less Logo	*Custom Silkscreen available XX Colors: 00-Black; 02-Red; 04-Yellow; 14-Grey Other colors available on special order		
EY	"EMERGENCY" Logo			

Part Number	Tel Set Less Housing	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GB70VNXX	GB70VN-LH	No dial, can be used with auto ringdown circuits, equipped with amplified receiver	1	1
GB70VSXX	GB70VS-LH	Single line programmable single number dialer, equipped with amplified receiver	1	1
GB72VXX	GB72V-LH	Single line pushbutton tone dial equipped with amplified receiver	1	1
Options				
Y	"Emergency" Logo	*Custom Silkscreen available XX Colors: 00-Black; 02-Red; 04-Yellow; 14-Grey Other colors available on special order		
L	Housing Less Logo			
M	Metal Dial			

## Outdoor Telephone Specifications

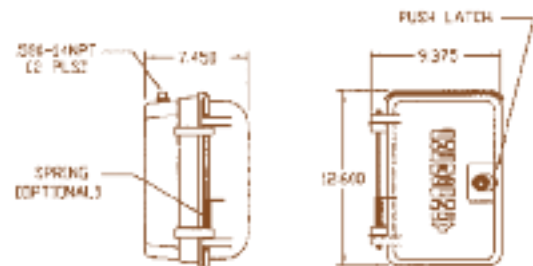
### GB80 Series

Weight: Housing Only .....7 lb.  
Weight: equipped with tel set .....10 lb.



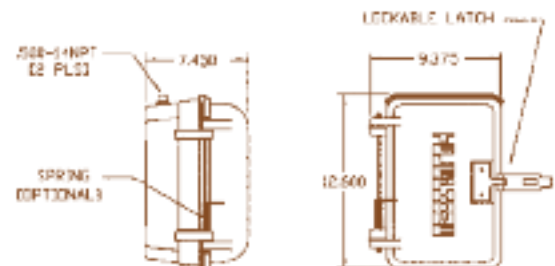
### GB90 Series

Weight: Housing Only .....11 lb.  
Weight: equipped with tel set .....14 lb.



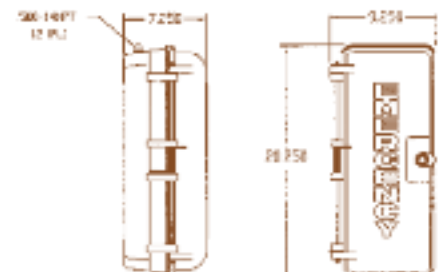
### GB59 Series

Weight: Housing Only .....11 lb.  
Weight: equipped with tel set .....14 lb.



### GB70 Series

Weight: Housing Only .....16 lb.  
Weight: equipped with tel set .....20-21 lb.



### GB32390 Series

Weight: .....5 lb.



## Telephone Programming Options

These telephone sets are equipped with field programmable memory locations with ability to program special options with a maximum of 32 digits per location

<b>GB59V</b>	Option A, B, C, TR	<b>GB259V</b>	Option B, C, TR
<b>GB70V</b>	Option A, B, C, TR	<b>GB306V</b>	Option A, B, C, TR
<b>GB90V</b>	Option A, B, C, TR	<b>GB2512V</b>	Option A, B, C, TR
<b>GB252V</b>	Option A, B, C, TR	<b>GB2524V</b>	Option B, C, TR
<b>GB524V</b>	Option A	<b>GB2554V</b>	Option A, B, C, TR

## Ordering Information

Contact Customer Service regarding any questions. 1-702-855-5700

<b>Option A</b>	2 Number Auto Dialer, no dial pad. Custom Silk Screen Available upon request
<b>Option B</b>	10 Number Auto Dialer, with dial pad
<b>Option C</b>	20 Number Auto Dialer, with dial pad
<b>Option TR</b>	Toll Restriction <ul style="list-style-type: none"> <li>1. Restricts 411</li> <li>2. Number 1 as first digit - (Restricts long distance call)</li> <li>3. Number 0 as first digit - (Restricts international call)</li> <li>4. Restricted number of digits being dialed.</li> </ul> <p>Ex: If number 3 is programmed, the user can only push 3 digits on the dial, the 4th digit is blocked out.</p>



**GB59VAH-LH**  
(Less housing)

### Example (with housing)

	<b>GB59V</b>	<b>A</b>	<b>04</b>	<b>H</b>
<b>Basic Tel Set</b> - Outdoor Tel				
<b>Auto Dialer</b> - 2 Number Auto Dialer				
<b>Color</b> - Yellow housing				
<b>Accessories</b> - Armored Cord				

### Note:

1. Line Powered with no batteries or AC power requirement
2. Compatible with 24 and 48 volt PBX Systems
3. Not recommended for temperatures below -5°F (-20°C)
4. These phones are not compatible with Noise Canceling Transmitters
5. Special Silk Screen is available on special orders
6. Operating Instructions included with each telephone

## Outdoor Telephone Accessories



- Steel protective cover measures 12"H x 10"W x 4"D
- Finished in red baked enamel

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GB31932	Steel protective cover	1	1



- Outdoor enclosure, galvanized steel
- Plywood backboard with mounting holes for the "optional" GB5955LAF bracket
- Meets NEMA Type 3R, UL50 Type 3R, CSA3, IEC529, IP32
- Outside dimensions: 12"H x 12"W x 6"D
- Inside dimensions: 10.25"H x 10.25"W x 5"D

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GB31858	Outdoor enclosure Red	1	1
GB31858-00	Outdoor enclosure Black	1	1



- Adapter frame is designed to mount a standard single line wall or mini-wall in the GB90H, GB80H and GB5955H housings

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GB5955-LAF	Adapter frame	1	1



- Designed for mounting outdoor telephones on poles measuring 2 1/2" to 6" in diameter
- Furnished with stainless steel straps and mounting bolts for drilling and tapping the pole

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GB5955-PMB	Pole mounting bracket	1	1

## Elevator and Emergency Telephones

- Telephone sets are designed for flush mounting in elevators or halls
- Constructed of heavy-gauge sheet steel finished in baked enamel
- Handset contains a powerful magnet which holds it securely in place
- Handsets are equipped with hearing aid compatible (HAC) amplified receiver units with automatic volume reset
- All models are telephone line powered
- See Page 100 for options available for multi-dial features
- See Page 102 for dimensions of telephone mounting accessories



GB252VD



GB522VS



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GB522VD	Telephone set equipped with amplified receiver and a pushbutton (rotary) pulse dial. No outlet box. Color - Black	1	1
GB522VN	Telephone set no dial equipped with amplified receiver. No outlet box. Color - Black	1	1
GB252VD	Telephone set equipped with amplified receiver and push-button tone dial. No outlet box. Color - Black.	1	1
GB522VS	Telephone set equipped with amplified receiver programmable, single number auto dialer. No outlet box. Not recommended when temperatures are below freezing. Color - Black.	1	1

GB62247 outlet box optional



## Elevator and Emergency Telephones

- Telephone sets are designed for flush mounting in elevators or halls
- Constructed of heavy-gauge sheet steel finished in baked enamel
- Standard colors blue and red - Custom colors available
- Speakerphone models are remote programmable
- All models are telephone line powered
- See below for dimensions of telephone mounting accessories



GB2555



GB555SND

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GB555N	Speakerphone with outlet box and ringer, no dial and less GB62248 trim frame. Remote programmable. Color - Blue	1	1
GB2555	Speakerphone with tone dial, outlet box and ringer. Less GB62248 trim frame. Remote programming capabilities. Color - Blue	1	1
GB555SND	Speakerphone with outlet box, ringer and single number dialer. Less GB62248 trim frame. Remote programmable dialing capabilities. Color - Blue	1	1

Add 47 to part number for Red

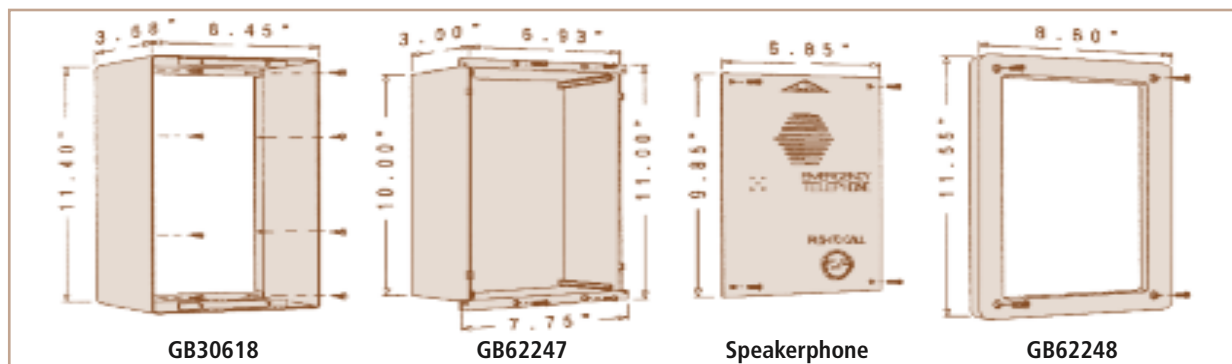
## Elevator and Emergency Telephone Options

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GB30618	Surface mounting frame will mount any speakerphone as well as any of the GB522V or GB252V telephones equipped with the optional GB62247 outlet box	1	1
GB62247	Outlet box. Color - Black	1	1
GB62248	Trim Frame. Color - Black	1	1

## Notes

1. For those models not furnished with an outlet box, order the GB62247 outlet box separately
2. The GB62248 trim frame is optional for all models
3. Dimensions of telephone sets only (less wall can and frame) are: 9.846"H x 6.85"W x 2.84"D
4. Outlet box will fit a recess measuring approximately 10 "H x 7.75"W x 3"D

## Dimensions



## Elevator and Emergency Telephones

- The GB523V and GB524V telephones are equipped with high stress armored cords and vandal resistant hardware
- Amplified receiver and auto volume reset button
- Baked on enamel finish
- Standard colors black and red - Custom colors and logos available
- GB523V models are designed to be mounted in existing outlet boxes that are at least 7"W x 10"H x 3"D or with the optional GB62247 outlet box and GB62248 trim frame
- GB524V models are designed to flush mount in an existing opening. They come complete with outlet box, trim frame and a magnetic hinged door equipped with a pull handle
- See Page 100 for options available for multi-dial features
- See Page 102 for dimensions of telephone mounting accessories



GB524-L1-XX



GB523VN47

Without GB524-L1-XX	With GB524-L1-XX	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GB523VNXX	GB524VNXX	No Dial	1	1
GB2523VXX	GB2524VXX	Pushbutton Tone Dial	1	1
GB523VSXX	GB524VSXX	Auto Dialer Line Powered	1	1
GB524-L1-XX		Wall can/Door and frame assembly for use with GB523 series only	1	1

XX Colors: 00-Black; 47-Red

## Elevator and Emergency Telephones

- Standard colors blue and red - Custom colors available
- GB31454 and GB31454SND measure 7"H x 4.5"W x 2.5"D
- Activated by a momentary pushbutton
- Line powered
- LED indicates an "off hook" condition
- GB31454 is for auto ringdown or dedicated lines
- GB31560 measures 9.7"H x 4.5"W x 2.5"D
- Designed for indoor applications



GB31560



GB31454

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GB31454	Mini speakerphone no dial, equipped with ringer and remote programmable disconnect for ARD circuits. Color - Blue	1	1
GB31454SND	Mini speakerphone equipped with single number remote programmable autodialer, ringer and a remote programmable disconnect. Color - Blue	1	1
GB31560	Same as GB31454 except equipped with Dual Tone Multiple Frequency (DTMF) tone dial. Color - Blue	1	1

Add "47" to part number for Red

## ADA Elevator and Emergency Telephones

- Standard colors blue and red - Custom colors available
- Offered with a single number autodialer for emergency dialing and without the single number autodialer for automatic ringdown applications
- Remote programmable
- Activated by a momentary pushbutton and disconnected by the pushbutton or programmable to disconnect on silence or a time out of thirty seconds to ninety-nine minutes
- Braille labeling
- Two LED lamps to indicate "on" and "help on the way"
- I.D. tones to indicate location of the caller
- Auto answer and operator monitoring
- Line powered



GB555-ADA



GB31454-ADA

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GB31454-ADA	Mini speakerphone, no dial. For ARD circuits. Color - Blue	1	1
GB31454SND-ADA	Mini speakerphone equipped with single number dialer. Color - Blue	1	1
GB555-ADA	Elevator/emergency speakerphone No dial. For ARD circuits. Color - Blue	1	1
GB555SND-ADA	Emergency telephone with single number dialer. Color - Blue	1	1

Add "47" to part number for Red

## Single Line Telephones

- Fully modular
- Hearing aid compatible
- "A" lead control
- Dual gong ringer with volume control available on desk models
- Amplified receiver
- See Page 100 for options available for multi-dial features



GB2554V44AC



GB2554VN47



GB2500V44AC

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GB2500VXXAC	Desk telephone e/w 29" armored cord	1	1
GB2500VDXX	Desk single line push button-pulse (rotary dial) e/w amplified receiver	1	1
GB2554VXXAC	Miniwall tel set e/w 29" armored cord	1	1
GB2554VNXX	Miniwall telephone set, no dial	1	1
GB2554VSXX	Miniwall telephone set equipped with single number dialer	1	1

XX Colors: 00-Black; 09-Ivory; 13-Beige; 15-White; 44-Ash; 45-Brown; 47-Red

## Dial Card



- Used with standard pushbutton dial telephone sets
- 6 strips per card, 25 cards per package
- Dimensions: 1 3/4" x 7/16"

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
ATP2500-1	Dial Card	1	1

## Courtesy Telephone



- Single line telephone
- Single number dialer
- Amplified receiver
- Lifting the handset off the hook activates the dialer
- Line powered
- Equipped with GB9849 apparatus blank
- See Page 100 for options available for multi-dial features

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GB2512VSXX	Courtesy desk set e/w auto dialer	1	1

XX Colors: 00-Black; 44-Ash; 47-Red

## Vandal Resistant Telephone



GB306V

- Single line telephone
- Brushed stainless steel housing
- Metal tone dial with chrome-plated pushbuttons
- 14" or 29" Armored cord
- Custom Lengths available
- Amplified receiver
- Heavy steel rear mounting plate
- Tamper proof hardware
- Housing dimensions: 11:00"H x 5.00"W x 2.35"D
- See Page 100 for options available for multi-dial features



GB306V-14

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GB306V	Vandal resistant telephone with 29" Armored cord	1	1
GB306V-14	Vandal resistant telephone with 14" Armored cord	1	1
GB306VN	No dial	1	1
GB306VS	Equipped with programmable single number dialer	1	1

# Telephones

## Galaxy Telephones



- Flush mount telephone
- Color matching handset, cord and trim frame
- Line powered
- Galaxy frontal dimensions are 10" wide by 12" high

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GB275VXXF	Single line Galaxy telephone equipped with tone dial, s/s trim mat and amplified receiver	1	1
GB2765-XX-A	Galaxy speakerphone. Includes trim frame, brushed aluminum mat, wall can and pushbutton tone dial	1	1

**XX Colors:** 00-Black; 13-Beige; 14-Grey; 15-White; 47-Red (Handset cord and trim frame color)

## Galaxy Accessories

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GB2750-L5-XX	Trim frame	1	1
GB275-L9F	Stainless steel trim mat	1	1
GB750-L1	Wall can 8 1/2" W x 10 1/2" H x 3 3/8" D	1	1

**XX Colors:** 00-Black; 13-Beige; 14-Grey; 15-White

## Rack Mounted Telephones

- Horizontal mounting on 19" rack
- Tone dial
- Dimensions: 19" L x 3.468" W x 4.240" D



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GB2654D	Rack mounted telephone	1	1

## Handsets

- Amplified receiver
- Volume control in the center of the handle
- Modular handset does not include handset cord
- Receiver units on all models are hearing aid compatible
- 6' cords are furnished with non-modular handsets. Add (-12) for 12-foot cord or (-25) for 25-foot cord. Custom lengths are available on request



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GBG6B-XX	Amplified receiver handset equipped with 6' coiled cord	1	1
GBG6M-XX	Modular amplified receiver handset less cord	1	1

**XX Colors:** 00-Black; 09-Ivory; 13-Beige; 14-Grey; 15-White; 44-Ash; 45-Cocoa Brown; 47-Red

## Handset Accessories

- Add "ET" to handset part number for electret transmitter for better clarity of transmission
- Add "NCT" to handset part number for noise canceling transmitter



GB116

GB117

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GB116	Electret transmitter (ET)	1	1
GB117	Noise canceling transmitter (NCT)	1	1

## Ordering Example

**Basic Unit** ——— **GBG6M** — **44** — **12** — **NCT**  
**LT. Ash Cord** ——— **44**  
**12 Ft. Cord** ——— **12**  
**GB117 Noise Cancelling Transmitter** ——— **NCT**



# Telephones

## Handset Assemblies

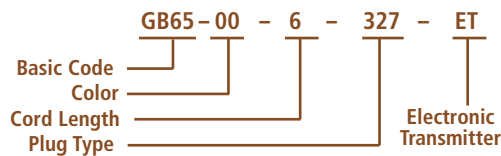


- Handsets can be equipped with the GB116 electret transmitter by adding the code "ET" to the part number
- Handsets can be equipped with the GB117 noise canceling transmitter by adding the code "NCT" to the part number
- All models equipped with hearing aid compatible receiver units

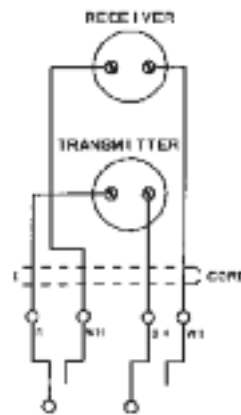
Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GB65	Plug-ended handset assembly	1	1
GB69	Similar to GB65 series with the addition of the "push to talk" feature. Can also be wired for "push to listen" or "push to signal"	1	1

## Standard Wiring Diagrams for GB65 Type Handsets

- Special Wiring Available per Customer's Specifications



Ordering Example - ADD-NCT For Noise Canceling Transmitter



AT327  
Schematic No.2

### Color - "G" Models

(Code) Color	
00-Black	15-White
09-Ivory	44-Light Ash
13-Beige	

### Cord Length

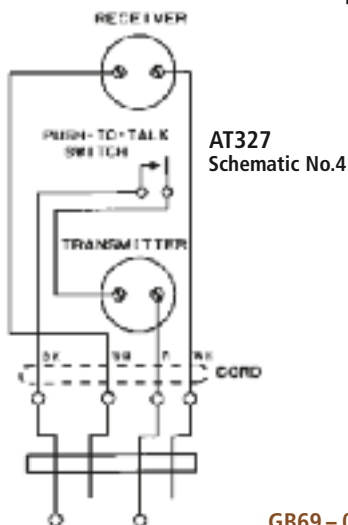
Code	Cords
6	4 cond. 6ft.
12	4 cond. 12ft.
25	4 cond. 25ft.

### Plug Types

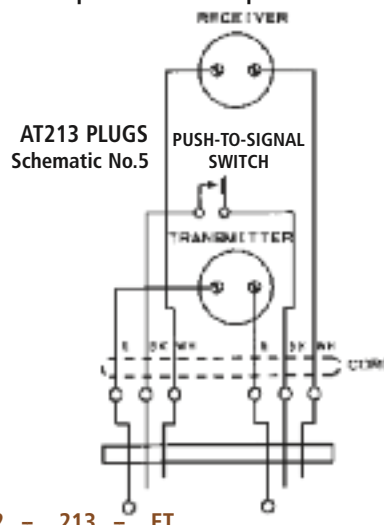
Code	Plugs
327	AT327 Double plug
M	4 Cond. Modular

## Standard Wiring Diagrams for GB69 Type Handsets

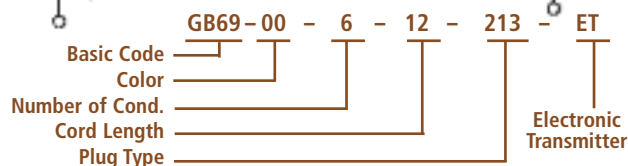
- Special Wiring Available per Customer's Specifications



AT327  
Schematic No.4



AT213 PLUGS  
Schematic No.5



### Color - "G" Models

(Code) Color	
00-Black	15-White
09-Ivory	44-Light Ash
13-Beige	

### Coiled Cord Length

Standard		Special	
Code	Cords	Code	Cords
6	4 cond. 6ft.	6-6	6 cond. 6ft.
12	4 cond. 12ft.	6-12	6 cond. 12ft.
25	4 cond. 25ft.	6-25*	6 cond. 25ft.

\*COLOR - BLACK ONLY

(Cord lengths are shown for cords extended.)  
NOTE: 6 conductor cords are spade-ended only.

### Plug Types

Code	Plugs
327	AT327 Double plug
213	AT213 Double Plug
M	4 Cond. Modular

- Other special colors available upon request

## Armored Handsets

- Stainless steel armored cable
- Hearing aid compatible receiver identified by blue grommet
- Vandal and moisture resistant transmitter
- Optional noise canceling transmitter (add "NCT" to part number) and electret transmitter (add "ET" to part number) are available on all handsets
- Custom Handsets available
- RoHS Compliant



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GB6500AC-A	Handset assembly for GTE coin telephone set equipped with 29" armored cord with 3" lead	1	1
GB6500AC-C	Handset assembly for AT&T (W.E.Co.) and Northern Telecom coin telephone sets other than Centurion. Equipped with 29" armored cord with 8" lead	1	1
GB6500HB-A	Same as GB6500AC-A except equipped with blue grommet	1	1
GB6500HB-C	Same as GB6500AC-C except equipped with blue grommet	1	1
GBG3AL-00	Handset assembly for 10 and 20 type AT&T coinless telephone sets. Equipped with blue grommet	1	1
GBG3AM-00	Handset assembly for AT&T coin telephone sets, 30" high-stress stainless steel cable and blue grommet. Furnished with cemented transmitter and receiver caps	1	1
GBG3GTE-00	Handset assembly for GTE 120 type coin telephone sets, 31.5" high-stress stainless steel cable and blue grommet. Furnished with cemented transmitter and receiver caps	1	1

Note: 00-Black is the standard color; also available in 13-Beige; 14-Grey and 45-Cocoa Brown

## Armored Cords and Accessories



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GBH4DA-A	For "G" type handset and GTE coin telephone sets. 29" armored cord equipped with 3" leads	1	1
GBH4DA-C	For "G" type handsets and AT&T or Northern Telecom coin telephone sets. 29" armored cord equipped with 8" leads	1	1
GBH4DA-PM	Adapter designed to mount an armored cord to a panel. Machined metal block supplied with mounting hardware. Not designed for use with high-stress cable	1	1
GBH4HS-PM	Adapter designed for armored cords with high-stress cable	1	1
GB10363	Handset weight, used in handsets for more positive hookswitch action. Weight is 3 oz. designed for Allen Tel handset assemblies only	1	1
GB10705	Blue grommet. Identifies telephone instruments equipped with hearing aid compatible receiver	1	1
GB30152	Bracket for mounting a GBG3AM cord in the type one AT&T coin telephone set	1	1
GB116	Electret transmitter (ET)	1	1
GB117	Noise canceling transmitter (NCT)	1	1

Note: Standard length of armored cable is 29".

Other standard lengths available: 14", 36", 48", 54" and 72". Custom lengths also available.

## Handset Hangers and Hookswitch Assemblies

- Designed for custom mounting of "G" type handsets in either vertical or horizontal positions
- RoHS compliant
- See Page 143 for hanger and hookswitch assembly dimensions and mounting details



AT1813-14



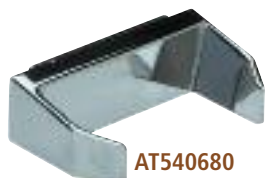
AT10806



AT1900



AT1977



AT540680



AT8974

AT21541-1904



(Locking clip)



AT21541-XX



AT1984-W

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT1813-C	Thermal plastic universal handset hanger which permits horizontal or vertical placement of handset. Mounts from the rear. Chrome plated	1	1
AT1813-00	Same as AT1813-C except Black	1	1
AT1813-14	Same as AT1813-C except Grey	1	1
AT10806	Same as AT1813-C except e/w front mount metal bracket	1	1

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT1900	Universal handset hanger for either horizontal or vertical placement of handset. Chrome plated cast metal	1	1
AT1977	Same as AT1900 except e/w chrome plated surface mounting bracket	1	1

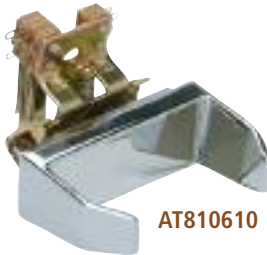
Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT540680	Chrome plated cast metal hanger for mounting handset in vertical position. Mounts from the rear	1	1

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT8974	Same as AT540680 with the addition of a surface mounted bracket used where mounting from the rear is not desired	1	1
AT21541-XX	High-impact thermoplastic cup type handset hanger e/w four form "C" switch combinations for standard 7 to 9 wire telephone hookswitch operation	1	1
AT21541-1904-00	Black Only, High-impact thermoplastic cup type handset hanger e/w two form "C" switch combinations for standard 6 wire telephone hookswitch operation with additional locking clip	1	1

XX Colors: 00-Black; 15-White; 47-Red

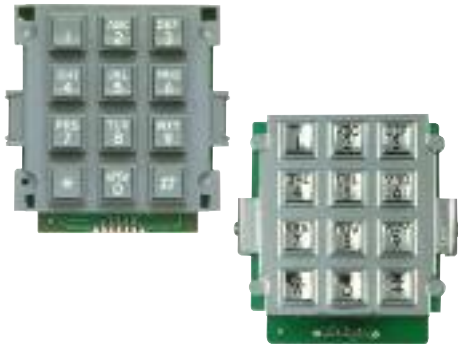
Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT10784A-CW	Chrome plated plastic handset hanger for vertical or horizontal handset mounting and three form "C" (transfer) switch combinations for standard 7 wire telephone hookswitch operation. Adjustable for panel thickness .060" to .125"	1	1
AT10784A-C	Same as AT10784A-CW except unwired	1	1
AT10784A-14	Same as AT10784A-C except Grey	1	1
AT1984	Same as AT10784A-C except e/w AT1900 chrome plated metal handset hanger	1	1
AT1984-W	Same as AT1984 e/w 7 spade-tipped 12" wire leads	1	1

## Handset Hangers and Hookswitch Assemblies



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT810610	Chrome plated cast metal hanger for vertical handset installations and three form "C" (transfer) switch combinations for standard 7 wire telephone hookswitch operation adjustable for panel thickness .060" to .125"	1	1
AT810610-W	Same as AT810610 except pre-wired with 7 spade-tipped 12" leads	1	1

## Dials



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AP1816	Pushbutton tone dial	1	1
AP50	Pushbutton pulse dial	1	1

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT71	Weather resistant metal tone dial with 12 chrome plated pushbuttons	1	1

## Message Waiting Kit

- Designed for the conversion of a standard 2500-type telephone to one with the "message waiting" feature
- Consists of a 2500-type faceplate e/w neon lamp assembly. Lamp will start at 90 volts DC and sustain at 60 volts
- Normal AC operating voltage from 65 to 110 volts



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GB2500WK-XX	Message waiting kit	1	1
GB2500WK	Message waiting kit less faceplate	1	1

XX Colors: 00-Black; 15-White; 44-Ash; 47-Red

## Apparatus Blank

- Replaces the pushbutton dial panel on 2500-type telephone sets



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GB9849	Apparatus blank brushed aluminum finish	1	1
GB9849-XX	Apparatus blank baked enamel finish	1	1

XX Colors: 00-Black; 12-Beige; 15-White; 44-Ash; 45-Cocoa Brown; 47-Red

## Designed for Performance

Allen Tel Products, Inc. is a leading manufacturer of ADA compliant quality telephone solutions for standard and custom applications.

### Product Features:

- Instant Emergency Calling
- Braille Labeling
- "On-Line" and "Help on the Way" LED Lamps
- Identification Tones
- Auto Answer
- Remote Programmable
- Line Powered

We offer a comprehensive line of ADA Outdoor, Hall / Emergency and Elevator Telephones. All of our products are designed to provide quality performance and installation ease, resulting in cost-effective, reliable solutions.

Custom engineering and manufacturing is a standard service.

ADA Outdoor Telephones.....Pages 112-113

ADA Elevator and Emergency Telephones.....Page 113



## ADA Outdoor Telephones

- Housings are constructed of die cast aluminum and electrostatically deposited enamel finish
- Handset with 29" armored cord, amplified receiver, spring loaded door
- Braille labeling and ID tones
- Two LED lamps to indicate "on" and "help on the way"
- All housings are equipped with gaskets and the logo "telephone". Other logos available upon request.
- GB70H housing is equipped with a push latch which can be disengaged to meet local ADA requirements
- See Page 99 for telephone dimensions and weights



GB70VS02

Series	Tel Set less Housing	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GB70H-XX	N/A	Outdoor housing only	1	1
GB70VNXX	GB70VN-LH	No dial, can be used with auto ringdown circuits, equipped with amplified receiver	1	1
GB70VSXX	GB70VS-LH	Single line programmable single number dialer, equipped with amplified receiver	1	1
GB72VXX	GB72V-LH	Single line pushbutton tone dial equipped with amplified receiver	1	1

XX Colors: 00-Black; 02-Red; 04-Yellow; 14-Grey Other colors available on special order

## ADA Outdoor Telephones

- Housing is constructed of die cast aluminum and electrostatically deposited enamel finish
- Braille labels and ID tones
- Two LED lamps to indicate "on" and "help on the way"
- All housings are equipped with gaskets and the logo "telephone". Other logos available upon request.
- Auto answer
- Can be used for ringdown circuits or single number auto dialing
- Remote programmable
- Outdoor speakerphones are not recommended for temperatures below -5°F (-20°C)
- See Page 99 for telephone dimensions and weights



GB97NADA02

Part Number	Tel Set less Housing	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GB97NADAXX	GB25900N-ADA-LH	No dial for automatic ringdown circuits	1	1
GB97SND-ADA-XX	GB25900SNDADALH	Outdoor speakerphone remote programmable single number dialer	1	1

XX Colors: 00-Black; 02-Red; 04-Yellow; 14-Grey Other colors available on special order

## ADA Outdoor Telephones



GB32390SND

- Speakerphone is constructed of high impact polycarbonate material
- Offered with a single number autodialer for emergency dialing and without the single number autodialer for automatic ringdown applications
- Braille labels and ID tones
- Two LED lamps to indicate "on" and "help on the way"
- Auto answer
- Can be used for ringdown circuits or single number auto dialing
- Remote programmable
- Outdoor speakerphones are not recommended for temperatures below -5°F (-20°C)
- See Page 99 for telephone dimensions and weights

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GB32390	No dial for automatic ringdown circuits	1	1
GB32390SND	Outdoor speakerphone remote programmable single number dialer	1	1

## ADA Elevator and Emergency Telephones



GB555-ADA

- Standard colors blue and red - Custom colors available
- Offered with a single number autodialer for emergency dialing and without the single number autodialer for automatic ringdown applications
- Remote programmable
- Activated by a momentary pushbutton and disconnected by the pushbutton or programmable to disconnect on silence or a time out of thirty seconds to ninety-nine minutes
- Braille labeling
- Two LED lamps to indicate "on" and "help on the way"
- I.D. tones to indicate location of the caller
- Auto answer and operator monitoring
- Line powered



GB31454-ADA

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GB31454-ADA	Mini speakerphone, no dial. For ARD circuits. Color - Blue	1	1
GB31454SND-ADA	Mini speakerphone equipped with single number dialer. Color - Blue	1	1
GB555-ADA	Elevator/emergency speakerphone. For ARD circuits. Color - Blue	1	1
GB555SND-ADA	Emergency telephone w/single number dialer. Color - Blue	1	1

Add 47 to part number for Red

## Designed for Performance

Allen Tel Products, Inc. is a leading manufacturer of quality auxiliary telephone products and accessories.

- Headset Hangers
- Line Boxes
- Miniature Buzzers
- Jack Boxes
- Adapters
- Telephone Plugs and Jacks
- Custom capabilities upon request

Our objective is to provide customers with reliable telephone accessories and reduce reliance on multiple manufacturers by providing a single point of contact.

Headset Hanger .....	Page 115
Double Plugs .....	Page 115
Line Box .....	Page 115
Miniature Buzzer .....	Page 115
Jack Box .....	Page 116
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Modular Telephone Jack .....	Page 125

## Double Plug



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT213	Double plug, high-impact type plastic shell and two 3-conductor (Tip, Ring, Sleeve) plug inserts. Fit jacks mounted on 5/8" centers	1	1

## Double Plug



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT327-XX	Double plug, two 2-conductor (Tip, Sleeve) plug inserts. Designed to fit standard telephone jacks which are mounted on 5/8" centers	1	1

XX Colors: 00-Black; 44-Ash

## Line Box



- Used when a common battery network is required such as long loops
- Black aluminum box 3 1/2" x 4 1/2" x 2 5/16"
- Consists of a telephone network and 2 tip-sleeve jacks, 1-MT331 and 1-MT333 (for line control).
- Jacks mounted on 5/8" centers

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GB128C	Line box	1	1

## Miniature Buzzers



- Alternating current (20 to 60 hertz) operation of these buzzers eliminates the radio frequency noise usually associated with DC-operated devices
- Screw adjustment at the top acts as a volume control
- Dimensions: 3/4"W x 7/8"H x 1 7/16"L supplied with two spade-ended connecting leads approximately 7 1/2" long

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GB8A	Miniature buzzer-operating voltage 6 to 10 volts	1	1
GB8B	Miniature buzzer-operating voltage 10 to 30 volts	1	1
GB8X	Miniature buzzer-operating voltage 85 to 105 volts primarily used as a replacement telephone ringer	1	1

# Telephone Accessories

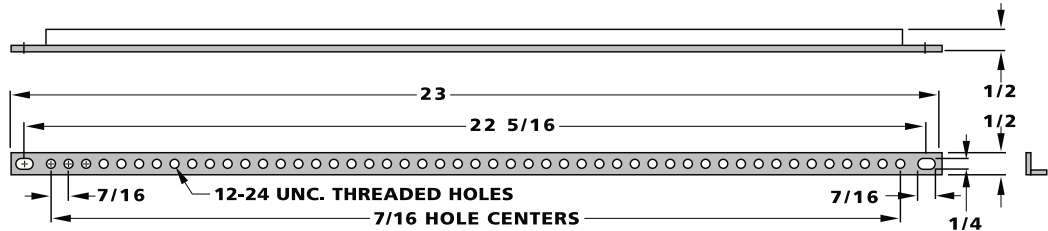
## Jack Box



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GB101A-M	Jack box – metal housing e/w 2-MT331 tip-sleeve long frame telephone jacks	1	1
GB101B-M	Jack box – metal housing e/w 2 MT332B tip-ring-sleeve long frame telephone jacks	1	1

## Mounting Bars

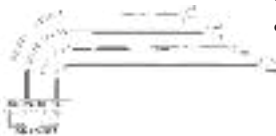
- Designed for mounting panel key telephones and other miscellaneous equipment on racks or in apparatus cabinets
- Constructed of anodized aluminum



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GB67A	Mounting bar for 19" equipment rack	1	1
GB67B	Mounting bar for 23" equipment rack	1	1

## Suppressor Module

- Designed for suppressing radio frequency interference from within a telephone set's circuitry
- Mounts inside the telephone set by the use of adhesive backing
- Dimensions: 1 1/2" L x 1/2" W x 3/4" H equipped with terminations for line insertion



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GB10427	Suppressor Module	1	1

## Adapter



- Adapts a device, like a handset or headset, with a dual tip-sleeve 4-conductor plug to a 6-pos., 4-con. modular jack
- Contains 2 tip-sleeve jacks and a 6-position, 4-conductor modular jack
- Dimensions: 2.75" L x 1.312" H
- Housing meets UL 94 V.O. requirements

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GB482	Adapter Ash	25	200



## Plug Adapter



- Designed to plug into standard console and switchboard operator's headset jacks
- Consists of two pairs of tip-sleeve jacks, which are parallel connected to a 289 type double tip-sleeve plug
- Jacks are spaced on 5/8" centers
- To minimize transmission impairment when using the GB221F, it is recommended that this unit be used with headsets and handsets equipped with transmitter cutout or push-to-talk switches

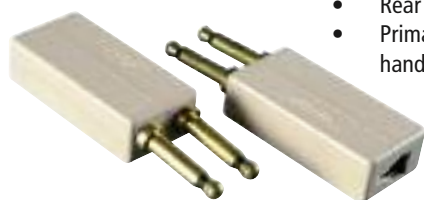


GB221

GB221F

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GB221	Plug adapter	1	25
GB221F	Same as GB221 with the exception of special jacks. Designed to cut off the receiver of a headset if the headset transmitter is disconnected by partially withdrawing the plug	1	25

## Modular Adapter Plug



- Double tip-sleeve plug designed to fit jacks mounted on 5/8" centers
- Rear of shell is equipped with a 4-conductor, 4-position modular jack
- Primary application is to adapt modular equipped handsets or headsets to PBX positions which accept double plug

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GB478B-XX	Modular adapter plug	1	25

XX Colors: 00-Black; 13-Beige

## Adapter



- Provides a simple means of switching between handset and headset
- Consists of a 2-position throw-over switch wired to two 4-conductor, 4-position modular jacks and a 4-conductor 8" modular cord and plug
- Dimensions: 2" square by 1 1/8" high
- An adhesive strip is provided for mounting

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GB477	Adapter Ash	1	25

## Adapter



- Adapts a headset or handset equipped with dual tip-sleeve, 4-conductor plug to a modular telephone or other device
- Consists of a two-foot retractile cord, an AT4x4 4-conductor modular handset plug and a plastic housing containing two tip-sleeve jacks
- Furnished with two velcro adhesive strips
- Dimensions: 2.75"L x 1.5"W x 1.312"h

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GB480	Headset/Handset adapter Ash	1	25

## Bridging Adapter



- Bridging adapter mounts between two 50-pin connectors on 25-pair inside wiring cables permitting access to designated cable pairs
- Male and female 50-pin connectors are wired together on a pin-to-pin basis
- Five 6-position modular jacks are mounted at the top of the unit and bridged across the cable pair
- Each jack is marked to indicate the modular pin number and the connector pin number to which it is connected
- Grey plastic housing
- UL Listed and CSA Listed

Part Number	Modular Jack	Miniature Ribbon Assembly Contact Pairs, Modular Jack Position				
	Pin Amount per Jack	1	2	3	4	5
AT450A	4	(1,26) (2,27)	(4,29) (5,30)	(7,32) (8,33)	(10,35) (11,36)	(13,38) (14,39)
AT450-SM1	2	(1,26)	(2,27)	(3,28)	(4,29)	(5,30)
AT450-SM2	2	(6,31)	(7,32)	(8,33)	(9,34)	(10,35)
AT450-SM3	2	(11,36)	(12,37)	(13,38)	(14,39)	(15,40)
AT450-SM4	2	(16,41)	(17,42)	(18,43)	(19,44)	(20,45)
AT450-SM5	2	(21,46)	(22,47)	(23,48)	(24,49)	(25,50)
AT450-SM6	4	(1,26) (2,27)	(3,28) (4,29)	(5,30) (6,31)	(7,32) (8,33)	(9,34) (10,35)
AT450-SM7	4	(11,36) (12,37)	(13,38) (14,39)	(15,40) (16,41)	(17,42) (18,43)	(19,44) (20,45)
AT450-SM8	4	(21,46) (22,47)	(23,48) (24,49)			
AT450-SM10	6	(1,26) (2,27) (3,28)	(4,29) (5,30) (6,31)	(7,32) (8,33) (9,34)	(10,35) (11,36) (12,37)	(13,38) (14,39) (15,40)
AT450-SM11	6	(16,41) (17,42) (18,43)	(19,44) (20,45) (21,46)	(22,47) (23,48) (24,49)		
AT450-SM12	4	(1,26) (2,27)	(4,29) (2,30)	(7,32) (2,33)	(10,35) (2,36)	(13,38) (2,39)

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT450 Series	Bridging adapter	1	20

## Bridging Adapter

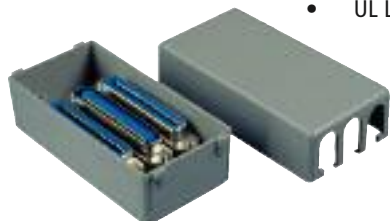


- Provides input-output connections (bridging) for 25-pair cable
- Consists of twenty-five 2-cond., 6-pos. RJ11 jacks wired to two 25-pair connectors (one male and one female) in standard tip-ring sequence for series connection
- RJ21X applications
- UL Listed and CSA Listed

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT125-SM	Bridging adapter	1	40

## Bridging Adapter

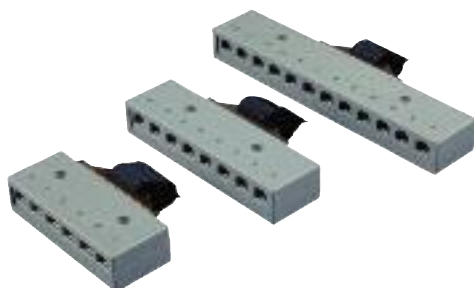
- Assemblies consisting of three 25-pair ribbon plugs (P-Male) and/or connectors (C-Female) mounted in a grey thermoplastic housing with cover
- Permits connecting two 25-pair cables across a single plug or connector terminated 25-pair cable
- UL Listed and CSA Listed



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT19252-L1	Bridging adapter (C-P-C)	1	70
AT19252-L2	Bridging adapter (P-C-P)	1	70
AT19252-L3	Bridging adapter (P-P-P)	1	70
AT19252-L4	Bridging adapter (C-C-C)	1	70

## Multiline Adapter

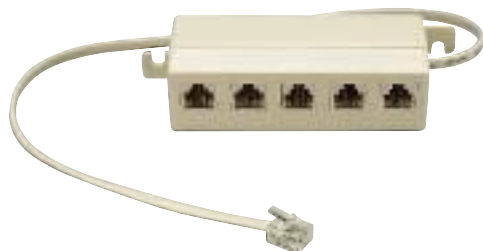
- Designed to provide a connection between 50-pin connector cables and 4, 6 or 8-conductor line cords
- Each unit consists of either a male 50-pin plug or a female 50-pin connector and 6, 8 or 12 modular jacks
- Each jack is clearly marked to identify its associated line circuit
- UL Listed and CSA Listed



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT2412F	Female connector, 12 4-cond., 6-pos. jacks	1	100
AT2412M	Male plug, 12 4-cond., 6-pos. jacks	1	100
AT2608F	Female connector, 8 6-cond., 6-pos. jacks	1	100
AT2608M	Male plug, 8 6-cond., 6-pos. jacks	1	100
AT2806F	Female connector, 6 8-cond., 8-pos. jacks	1	100
AT2806M	Male plug, 6 8-cond., 8-pos. jacks	1	100
AT2812FTBT	Female connector, 12 4-cond., 8-pos. jacks wired for 10BASE-T	1	100
AT2812MTBT	Male plug, 12 4-cond., 8-pos. jacks wired for 10BASE-T	1	100

## Modular Adapter

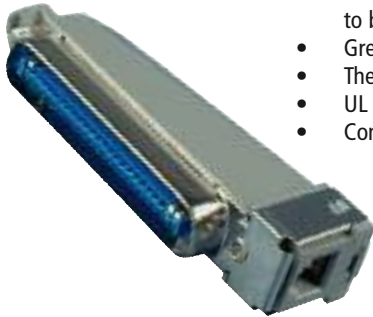
- Converts a single modular jack to five modular jacks
- Equipped with a 1 ft. 4-conductor modular cord and five 4-conductor, 6-position modular jacks



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT150	Modular adapter	1	20

# Telephone Accessories

## Modular Adapter

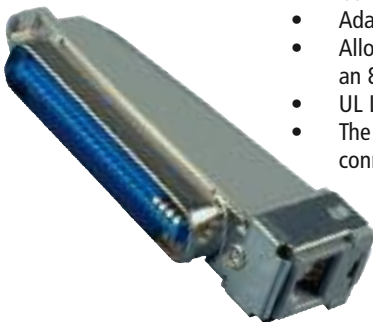


- Allows a single line telephone set, answering device, auto-dialer or other ancillary equipment to be connected to an existing 25-pair ribbon connector
- Grey plastic housing e/w a 6-position modular jack and a male 50-pin connector
- The jack on all units is 4-conductor except the AT153AM-06 which is 6-conductor
- UL Listed and CSA Listed
- Connections are made from the jack to the 50-pair connector as shown on the table below

Part Number	Connection Code					
	R	Y	G	BK	W	BL
AT153AM-01	26	27	1	2		
AT153AM-02	23	24	48	49		
AT153AM-03	50	49	25	24		
AT153AM-05	1	2	26	27		
AT153AM-06	26	27	1	2	50	25

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT153AM Series	Modular adapter	1	50

## Modular Adapter

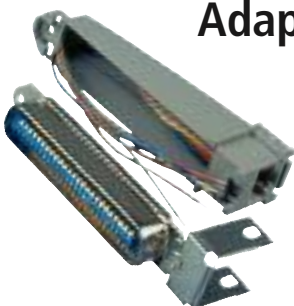


- Consists of a 50-pin male connector and an 8-conductor, 8-position non-keyed modular jack
- Adapter has internal wiring from the 8-position modular jack to terminals of the 50-pin connector
- Allows a single line telephone set, ancillary device or electronic key set equipped with an 8 conductor, non-keyed modular cord to be connected without rewiring
- UL Listed and CSA Listed
- The pairs appearing at the modular jack and the associated contacts on the 50-pin connector are shown on the table below:

Part Number	Cable Pairs	Tips Contacts	Ring Contacts
AT259A	1-4	26-29	1-4
AT259B	5-8	30-33	5-8
AT259C	16-17, 21-22	41-42, 46-47	16-17, 21-22

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT259 Series	Modular adapter	1	50

## Adapter Kit



- Consists of a 25-pair, 50-conductor male ribbon connector in a plastic housing
- Jacks are e/w 7" color coded stranded leads
- Leads may be field soldered to any contacts on the connector in order to meet job wiring specifications
- UL Listed and CSA Listed

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT153K-M6	6-conductor, 6-position modular jack	1	25
AT153K-M8	8-conductor, 8-position modular jack	1	25

## Telephone Jack

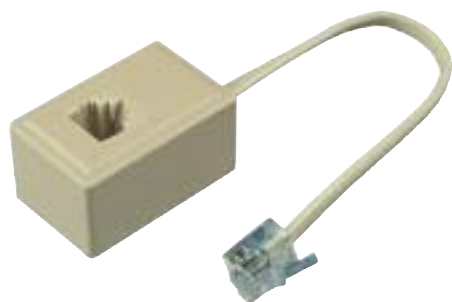


- The AT404B telephone jack assembly contains 4-spring type sockets with screw terminals designed to terminate 4-conductor inside wiring cable and to mate with an AT283B plug
- Furnished with mounting screws

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT404B	Telephone jack	1	50

## Telephone Filter

- Consists of a modular cord stub 5" in length which terminates into a thermoplastic housing containing a 2-contact, 6-position modular jack
- Used for elimination of radio frequency interference especially in the AM broadcast station band



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT100	Telephone filter	1	25

## In-Line Coupler

- Back-to-back modular jacks providing a simple means of connecting two line cords together, ivory color
- The AT210-8-PP is wired pin-to-pin
- UL Listed and CSA Listed



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT210-4	4-conductor, 6-position in-line coupler	1	100
AT210-6	6-conductor, 6-position in-line coupler	1	100
AT210-6-PP	6-conductor, 6-position wired pin-to-pin	1	100
AT210-6-DEC	6-conductor, 6-position MMJ in-line coupler	1	100
AT210-8	8-conductor, 8-position in-line coupler	1	100
AT210-8-PP	8-conductor, 8-position wired pin-to-pin	1	100



## Modular Coupler



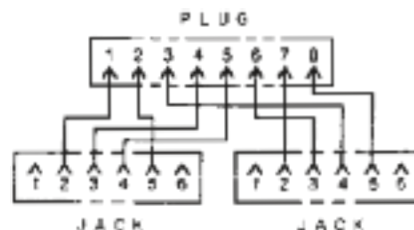
- Designed to allow two modular plug-ended line cords to be connected to one modular plug-ended line cord
- The AT330-4 coupler consists of one 4-conductor, 6-position jack with bridged connections to two 4-conductor, 6-position jacks
- UL Listed and CSA Listed

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT330-4	Modular coupler	1	50

## Modular Adapter



- Ivory adapter designed to route two lines connected to a modular plug to two modular line jacks
- UL Listed and CSA Listed
- Consists of an 8-conductor modular plug and two 4-conductor, 6-position modular jacks as shown on the wiring diagram



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT400E	Modular adapter	1	50

## Modular Adapter

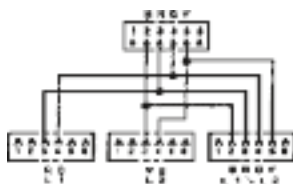


AT173

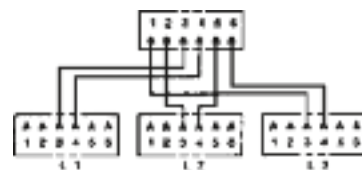


AT173A

- The AT173 adapter is designed for use with a line jack arranged for a 2-line telephone system in accordance with USOC RJ14C and RJ14W
- AT173 consists of a 4-conductor, 6-position modular plug internally wired to three modular jacks as per the wiring diagram. Two single telephone sets and a 2-line set are accommodated
- The AT173A provides 6-contacts in the plug portion of the adapter, allowing connection of three single line phones to a single modular outlet. Labeled L1, L2 and L3



Wiring diagram for AT173



Wiring diagram for AT173A

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT173	Triplex modular adapter	1	50
AT173A	Triplex modular adapter	1	50

# Telephone Accessories



## "T" Adapter

- Consists of one 4-conductor, 4-position handset modular plug connected by short handset cordage to an ivory assembly of two 4-conductor modular handset jacks
- Provides means to use two handsets or headsets on the line
- Used primarily for monitoring and instructional purposes

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT464	"T" adapter with 3" cord	1	50



## "T" Adapter

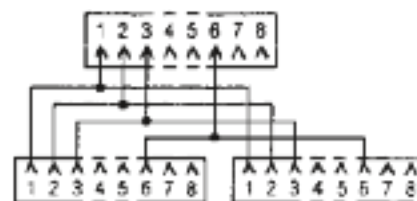
- Ivory adapters designed for connecting two telephones or auxiliary devices to one modular jack
- The AT202-4 consists of one 4-conductor, 6-position jack and plug wired in parallel
- The AT202-6 is the same as the AT202-4 except that the two extra contacts on each jack are wired in parallel to each other
- The AT203-8 is e/w a non-keyed, 8-conductor plug and two 8-conductor keyed jacks. The keyed jacks will accept either keyed or non-keyed plugs
- UL Listed and CSA Listed

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT202-4	4-cond., 6-pos. plug and 2 4-cond., 6-pos. jacks	1	100
AT202-6	4-cond., 6-pos. plug and 2 6-cond., 6-pos. jacks	1	100
AT203-8	8-cond., 8-pos. plug and 2 8-cond., 8-pos. keyed jacks	1	50



## "T" Adapter

- Wired for 10base-T applications, ivory adapter designed to connect two devices to one modular jack
- The AT203-TBT has a 4-conductor, 8-position plug and 4-conductor 2 8-position jacks
- UL Listed and CSA Listed

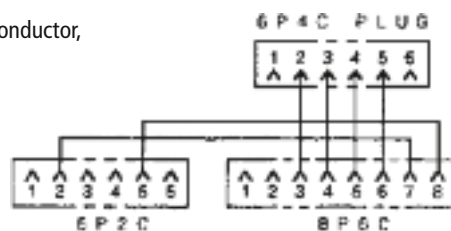


Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT203-TBT	"T" adapter	1	50



## "T" Adapter

- Contains one 4-conductor, 6-position modular plug, a 6-conductor, 8-position and a 2-conductor, 6-position modular jack
- Used to provide auxiliary power to telephones
- UL Listed and CSA Listed

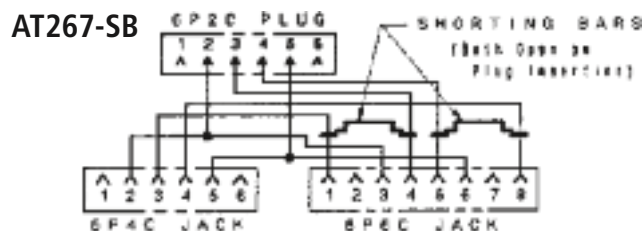
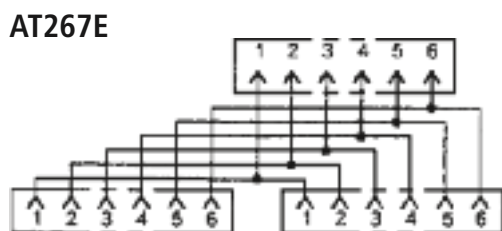
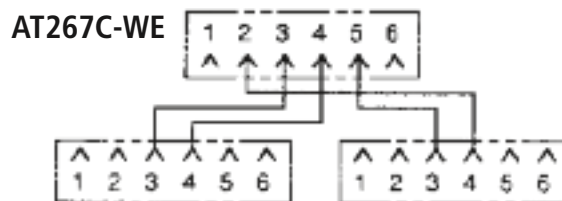
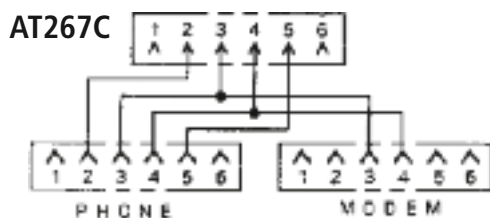
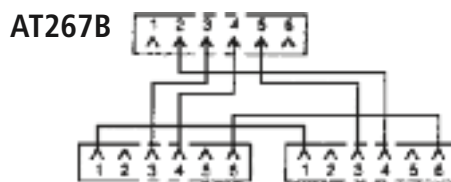


Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT304B	"T" adapter	1	50

## "T" Adapter



- The AT267B is e/w two 4-conductor, 6-position jacks and one 4-conductor, 6 position plug wired for connecting two telephones and/or ancillary devices to separate outside lines through a single 4-contact modular jack wired for terminating two lines. Ideal for use in semi-private hospital rooms or for adding a second line
- The AT267C is e/w one 2-conductor, 6-position jack for modem, one 4-conductor, 6-position jack for voice transmission and one 4-conductor, 6-position plug with the tip and ring bridged to both jacks
- Designed to combine voice and data transmission through a single modular jack
- The AT267C-WE is e/w two 2-conductor, 6-position jacks and one 4-conductor, 6-position plug. Designed to split two telephone lines from a single modular jack to two individual modular jacks
- The AT267E is e/w two 6-conductor, 6-position jacks and one 6-conductor, 6-position plug. Provides connection for two 6-conductor, 6-position line cords wired to a single 6-conductor, 6-position modular plug
- The AT267-SB is e/w one 4-conductor, 6-position jack, one 8-conductor jack with shorting bars on pins 1-4 and 5-8 and a 4-conductor, 6-position plug. Designed to permit quick connection of one telephone and one automatic dialer to the same line without changing the existing installation
- UL Listed and CSA Listed



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT267B	"T" adapter Ivory	1	100
AT267C	"T" adapter Ivory	1	100
AT267C-WE	"T" adapter Ivory	1	100
AT267E	"T" adapter Ivory	1	100
AT267-SB	"T" adapter Ivory	1	100

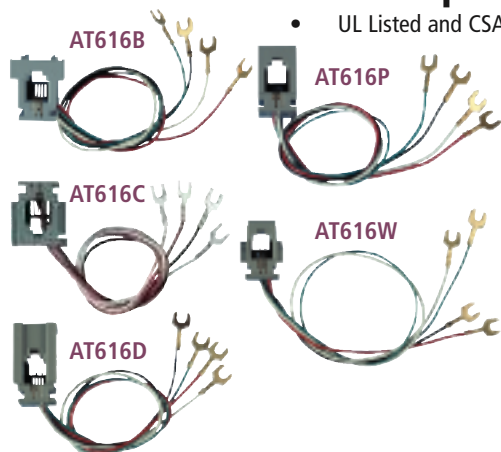
## Modular Telephone Jack



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT523A4	4-wire, 6-position line jack for base of wall telephone	1	1
AT523A6	6-wire, 6-position line jack for base of wall telephone	1	1

## Modular Telephone Jack

- UL Listed and CSA Listed



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT616B	4-wire, 4-position handset cord jack for 2554 telset base	1	1
AT616C	4-wire, 4-position handset cord jack for 3554 telset base	1	1
AT616D	4-wire, 4-position handset cord jack for 2500 telset base	1	1
AT616P	4-wire, 4-position handset cord jack for princess telset	1	1
AT616W	4-wire, 4-position handset cord jack for mounting in transmitter cup assembly of standard handset handle	1	1

## Modular Telephone Jack



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT623D-4	4-wire, 6-position line jack for 500 desk telephone base	1	1
AT623D-6	6-wire, 6-position line jack for 500 desk telephone base	1	1
AT623P-4	4-wire, 6-position line jack for princess telephone base	1	1
AT623P-6	6-wire, 6-position line jack for princess telephone base. UL and CSA Listed	1	1

## Modular Telephone Jack

- 8-wire, 8-position non-keyed snap in jack used in electronic multi-line telephones and other devices requiring an 8-conductor connection



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT641	Modular telephone jack	1	1
AT647	Same as the AT641 except it is keyed for use on telephone equipment and interface devices used with data transmission.	1	1

## Designed for Performance

Allen Tel Products, Inc. offers a variety of data accessories to compliment the growing data communications market.

- Adapter and Connector Kits
- Gender Changers
- Wall Plates
- RS 232 Mini-Tester
- Gender Adapter
- Computer, Monitor and Printer Cables

Our Data products are designed for ease of installation and to provide high, quality performance in supporting the layout of structured cabling systems.

Data Adapter Kit .....Page 127

Shielded Adapter Kit.....Page 127

Connector Kit.....Page 127

Shielded Connector Kit .....Page 128

Data Kit Insertion Tool..... Page 128

ATD Crimping Tool.....Page 128

Mini Gender Changers .....Page 128

Standard Gender Changers.....Page 129

Gender Adapter.....Page 129

Data Stainless Steel Wall Plates.....Page 129

RS232 Mini-Tester .....Page 129

RS232 Adapter Kit ..... Page 130

Null Modem .....Page 130

Computer Cables:

Monitor Cables .....Page 130

Printer Cables.....Page 130



## Data Adapter Kit

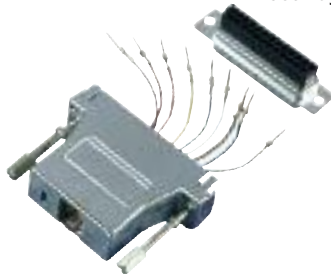
- Adapter allows connection between 9 and 15-pin equipped devices with DB-type connectors to standard telephone wiring utilizing modular jacks
- The 6-conductor RJ14 modular jack may be connected in the field to male or female pins which snap into the appropriate 9 or 15-pin DB connector body
- See Page 131 for wiring diagrams
- UL Listed and CSA Listed



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
ATDB9F-6	6-cond. jack to female 9-pin DB	1	50
ATDB9F-8	8-cond. jack to female 9-pin DB	1	50
ATDB9M-6	6-cond. jack to male 9-pin DB	1	50
ATDB9M-8	8-cond. jack to male 9-pin DB	1	50
ATDB15F-6	6-cond. jack to female 15-pin DB	1	50
ATDB15F-8	8-cond. jack to female 15-pin DB	1	50
ATDB15M-6	6-cond. jack to male 15-pin DB	1	50
ATDB15M-8	8-cond. jack to male 15-pin DB	1	50
ATDB9F-DEC	6-cond. DEC jack to female 9-pin DB	1	50
ATDB9M-DEC	6-cond. DEC jack to male 9-pin DB	1	50

## Shielded Adapter Kit

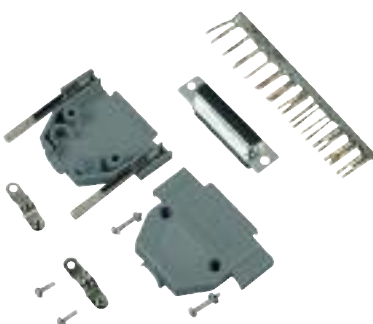
- Metalized plastic hood e/w thumb screws for easy installation
- 9 and 25-pin DB connectors with an integral RJ45 non-keyed 8-contact modular jack e/w pre-terminated male or female contacts
- See Page 131 for wiring diagrams



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
ATDB9FS-8	9-pin DB connector kit female	1	50
ATDB9MS-8	9-pin DB connector kit male	1	50
ATRA8FS	25-pin DB connector kit female e/w two 3.500" red straps	1	50
ATRA8MS	25-pin DB connector kit male e/w two 3.500" straps	1	50

## Connector Kit

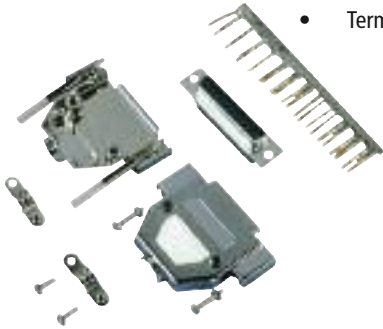
- Type "D" male and female connectors with 9, 15 and 25-pin formats
- Grey plastic shell, crimp-type contacts, metal strain relief and assembly hardware
- Terminates 24-26 AWG wire



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
ATD9FCK	Connector kit 9-pin female	1	50
ATD9MCK	Connector kit 9-pin male	1	50
ATD15FCK	Connector kit 15-pin female	1	50
ATD15MCK	Connector kit 15-pin male	1	50
ATD25FCK	Connector kit 25-pin female	1	50
ATD25MCK	Connector kit 25-pin male	1	50

## Shielded Connector Kit

- Metalized plastic hood
- 9, 15 and 25-pin DB connectors with crimp-type male or female contacts, strain relief bracket and assembly hardware
- Terminates 24-26 AWG wire



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
ATD9FCKS	Shielded 9-pin DB connector kit female	1	50
ATD9MCKS	Shielded 9-pin DB connector kit male	1	50
ATD15FCKS	Shielded 15-pin DB connector kit female	1	50
ATD15MCKS	Shielded 15-pin DB connector kit male	1	50
ATD25FCKS	Shielded 25-pin DB connector kit female	1	50
ATD25MCKS	Shielded 25-pin DB connector kit male	1	50

## Data Kit Insertion Tool

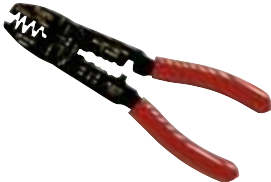
- Insertion of contacts on "DB" and "D" connections



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
ATD100	Insertion Tool	1	1

## ATD Connector Kit Crimping Tool

- Carbon steel with black oxide finish
- Crimper
- Stripper
- Cutter
- Looping



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
ATD200	ATD Crimping Tool	1	1

## Mini-Gender Changers

- Wired pin-to-pin
- Single contact shielded construction ensures minimal signal loss and provides full protection from electrical EMI and RFI interference
- Low profile shielded



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
ATGM9FF	DB9, 9-pin female-to-female connectors	1	50
ATGM9MM	DB9, 9-pin male-to-male plugs	1	50
ATGM15FF	DB15, 15-pin female-to-female connectors	1	50
ATGM15MM	DB15, 15-pin male-to-male plugs	1	50
ATGM25FF	DB25, 25-pin female-to-female connectors	1	50
ATGM25MM	DB25, 25-pin male-to-male plugs	1	50
ATGM37FF	DB37, 37-pin female-to-female connectors	1	50
ATGM37MM	DB37, 37-pin male-to-male plugs	1	50

## Standard Gender Changers

- Inexpensive way to avoid modifying or replacing incompatible RS232 or other computer cables
- Wired pin-to-pin
- Shielded



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
ATGC9FF	9-pin female-to-female	1	50
ATGC9MM	9-pin male-to-male	1	50
ATGC15FF	15-pin female-to-female	1	50
ATGC25FF	25-pin female-to-female	1	50
ATGC25MM	25-pin male-to-male	1	50

## Gender Adapter

- Converts a DB9 cable or connector to a DB25 cable or connector
- Shielded
- See Page 131 for wiring diagrams



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
ATGC9F25M	9-pin female to 25-pin male	1	50
ATGC9M25F	9-pin male to 25-pin female	1	50

## Data Stainless Steel Wall Plates



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
ATBK9	For one DB9 connector	1	50
ATBK9-2	For two DB9 connectors	1	50
ATBK15	For one DB15 connector	1	50
ATBK25	For one DB25 connector	1	50

## RS232 Mini-Tester

- Provides method of diagnosing RS232 interface problems
- Connects from the RS232 port to data line or modem
- LEDs indicate the status of pin 2 (transmit data, TD), pin 3 (receive data, RD), pin 4 (request to send, RTS), pin 5 (clear to send, CTS), pin 6 (data set ready, DSR), pin 8 (carrier detect, CD) and pin 20 (data terminal ready, DTR)

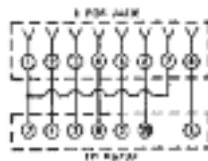
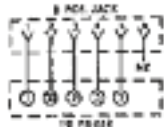


Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
ATMT25MF	RS232 mini-tester male to female	1	50

## RS232 Adapter Kit



- Permits two RS232 equipped computers to be connected to each other over short distances without the need for two modems
- Compatible with most RS232 devices
- Supplied in kit form to allow flexibility in wiring schemes
- Wiring diagrams for 6-position and 8-position jacks are illustrated below
- See Page 131 for other wiring diagrams
- UL Listed and CSA Listed

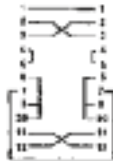


Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
ATRA6F	6-conductor jack to female RS232	1	50
ATRA6F-DEC	6-conductor DEC jack to female RS232	1	50
ATRA6M	6-conductor jack to male RS232	1	50
ATRA6M-DEC	6-conductor DEC jack to male RS232	1	50
ATRA8F	8-conductor jack to female RS232 e/w two 3.500" red straps	1	50
ATRA8M	8-conductor jack to male RS232 e/w two 3.500" red straps	1	50

## Null Modem



- Replaces two modems when interconnecting two data devices together over short distances
- Units operate within EIA RS232C specifications
- See internal connections schematic



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
ATNM25FF	Null modem female-to-female	1	50
ATNM25MF	Null modem male-to-female	1	50
ATNM25MM	Null modem male-to-male	1	50

## Computer Cables

- Each cable is shielded against both electromagnetic and radio frequency interference by means of braided copper and aluminum foil
- Connectors and outer cable sheath are molded and bonded together to form an integral assembly providing added strain relief and protection from abrasion
- Conductors are 28 gauge
- Cables are available for interconnection between two specific components of a computer system and cables for more general applications which are wired pin-to-pin

## Monitor Cables



- Cables are terminated at each end in DB9 type connectors either male or female

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GBDB9MF-6	Monitor cable 6 ft male-to-female	1	1
GBDB9MF-10	Monitor cable 10 ft male-to-female	1	1
GBDB9MM-10	Monitor cable 10 ft male-to-male	1	1

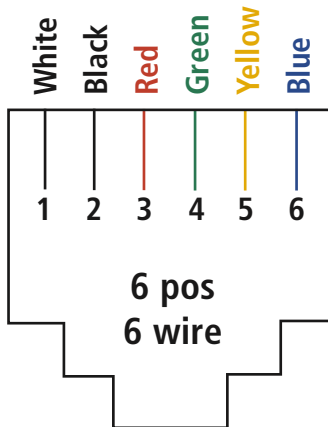
## Printer Cables



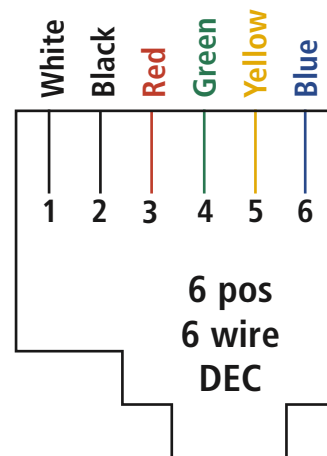
- 6 foot cable with DB9 to DB25 terminations
- Used as a printer cable between a Mac computer and a serial printer

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
GBDB25MDB9M-6	Printer cable 6 ft	1	1

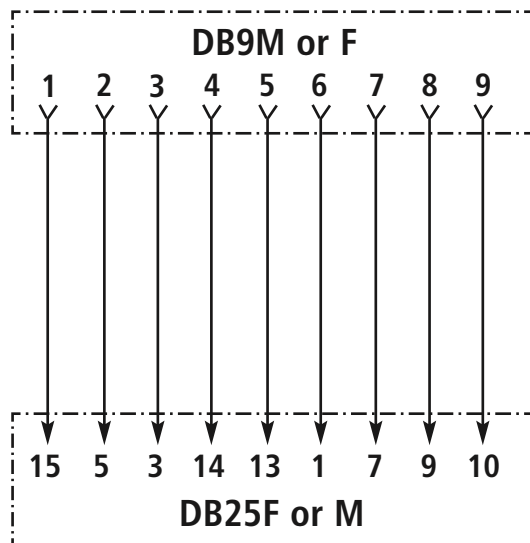
# Data Accessories



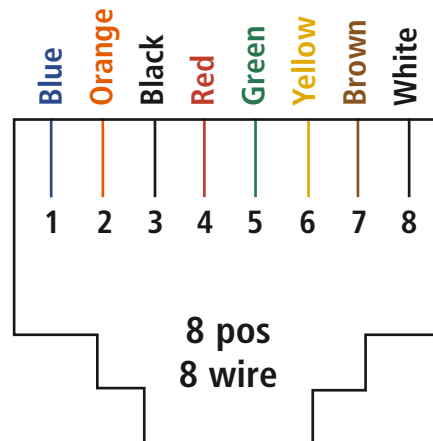
Part Number
ATDB9F-6
ATDB9M-6
ATDB15F-6
ATDB15M-6
ATRA6F
ATRA6M



Part Number
ATDB9F-DEC
ATDB9M-DEC
ATRA6F-DEC
ATRA6M-DEC



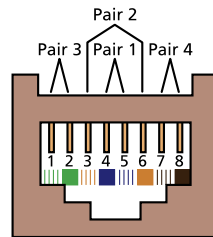
Part Number
ATGC9F25M
ATGC9M25F



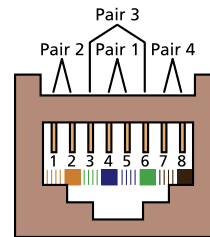
Part Number
ATDB9F-8
ATDB9FS-8
ATDB9M-8
ATDB9MS-8
ATDB15F-8
ATDB15M-8
ATRA8F
ATRA8M
ATRA8FS
ATRA8MS



## T568A and T568B Wiring Diagrams



**T568A**



**T568B**

## RJ and USOC CODES

The Bell System Universal Service Ordering Code (USOC) system was developed to connect customer premises equipment to the public network. These codes, adopted in part by the FCC, Part 68, Subpart F, Section 68-502, are a series of registered jack (RJ) wiring configurations for telephone jacks that remain in use today.

Registered jack numbers end with a letter indicating the wiring or mounting method being used:

- C** – Surface or flush mounted jack
- W** – Wall mounted jack
- S** – Single-line jack
- M** – Multi-line jack
- X** – Complex multi-line or series-type jack
- T/R** – Connections to the tip and ring wires of a telephone line, trunk, channel or facility
- A/A1** – Connections to the hold functions of key telephone systems. The "A" lead corresponding to a particular telephone line is shorted to the "A1" lead when that line is off hook in order for that line's "hold" functions to operate correctly
- BRIDGED** – A Parallel connection
- DATA** – Configurations using jacks that incorporate components to limit signal power levels of data equipment

## RJ (USOC) Jack Descriptions

**RJ-11C and RJ-11W:** Are normally associated with single-line ancillary devices, telephone sets, or –9 dBm (permissive) modems and provide bridged connections to the tip and ring of a telephone line. RJ-11C is surface or flush-mounted for use with desk telephone sets, while RJ-11W is used for wall mounted telephone sets.

**RJ-12C and RJ-12W:** Are normally associated with one line of a key telephone system, they provide a bridged connection to the tip and ring of the telephone line and to key system A and A1 leads. The tip and ring conductors in the jack are connected ahead of the key telephone-system line circuit. The RJ-12C is surface or flush mounted for use with desk telephone sets while the RJ-12W is for wall mounted telephone sets. Typically, these arrangements are used when registered ancillary equipment must respond to central office or PBX ringing.

**RJ-13C and RJ-13W:** Are normally associated with one line of a key telephone system. They provide a bridged connection electrically behind the key-system line circuit to the tip, ring conductors, and to the A and A1 leads. The RJ-13C is surface or flush mounted for use with desk telephone sets while RJ-13W is for wall mounted telephone sets. These arrangements are generally used when the registered ancillary equipment does not require central office or PBX ringing to function properly.

**RJ-14C and RJ-14W:** Provide for bridged connections to the tip and ring conductors of two separate telephone lines. The RJ-14C is surface or flush mounted for use with desk telephone sets while the RJ-14W is for wall mounted telephone sets.

**RJ-15C:** Is a weatherproof jack arranged to provide single-line bridged connection to tip and ring. The RJ-15C can be arranged for surface- or flush mounting depending upon customer needs.

**RJ-16X:** Provides a single-line bridged tip and ring and is associated with –9 dBm (permissive) data arrangements that require mode indication for use with exclusion key telephone sets. The exclusion key telephone set requires a series jack, RJ-36X (described under 8-position jacks) as its normal means of connection.

**RJ-17C:** Provides a single-line bridged connection of tip and ring to special telephone sets or ancillary equipment (e.g. ECG machines) in hospital critical-care areas. Only registered equipment conforming to Article 517 of the 1978 National Electrical Code is permitted to connect to this jack arrangement. This jack differs from the RJ-11C in that tip and ring appear on pins 1 & 6 rather than 3 & 4.

**RJ-18C:** Provides a bridged connection of single-line tip and ring with make-busy leads M13 and MB1. When the registered equipment provides a

contact closure between the MB and MB1 leads, a make-busy indication is transmitted to the network equipment busying out the line from further incoming calls. It's recommended that the busy indication (contact closure) be provided while the line is in the idle state in order to reduce the possibility of interfering with a call that is in the ringing or talking state. The RJ-18 EIC is surface or flush mounted for use with desk telephone sets.

**RJ-19C:** Is normally associated with one line of a key telephone system. It provides a bridged connection of single-line tip and ring behind a key-system line circuit, with A and A1 lead control, and a direct connection for MB/MB1 make-busy leads. When the modem provides a contact closure between the M13 and MB1 leads, a make-busy indication is transmitted to the network equipment busying out the line from further incoming calls. It's recommended that the busy indication (contact closure) be provided while the line is in the idle state in order to reduce the possibility of interfering with a call that is in the ringing or talking state. The RJ-19C is surface or flush mounted for use with desk telephone sets.

**RJ-AIX/RJ-A3X:** Are adapters used to adapt 4 and 12 position jacks, respectively, to a 6-position miniature bridged jack. They provide bridged connections to the tip and ring of the telephone line. If A and A1 leads are already terminated in the 4 or 12-pin jack, they will appear in positions 2 and 5 in the adapter. If A and A1 leads are not involved, positions 2 and 5 are reserved for telephone company use.

**RJ-A2X:** Is an adapter that converts a single miniature jack to two miniature jacks. It provides a bridged connection to the tip and ring conductors of the telephone line. If A and A1 leads are already terminated in an existing miniature bridged jack, they will appear in positions 2 and 5 in both miniature bridged jacks in the adapters. If A and A1 leads are not provided, positions 2 and 5 are reserved for telephone company use.

**RJ-21X:** Provides bridged connections to tip and ring conductors of up to 25 telephone lines. The RJ-21X is typically used with Traffic-Data Recording Equipment and Multiple-Line Communications Systems. The user must specify the connection sequence for each title appearing in the jack.

**RJ-22X:** Can be associated with a telephone company provided key telephone system when connection to several lines is required. It provides bridged connections of up to 12 telephone lines and their associated A and A1 leads. The tip and ring conductors in the jack are wired ahead of the line circuit in the key telephone system. This arrangement is used when the modem must respond to central office or PBX ringing.

**RJ-23X:** Is normally associated with a telephone company provided key telephone system when connection is required to several lines. It is wired to provide bridged connections of up to 12 key-system line circuits and associated A and A1 leads. It differs from and is preferred over the RJ-22X, in that tip and ring conductors in the jack are wired behind the key-system line circuits. This arrangement is typically used when the modem doesn't require central office or PBX ringing to function properly.

**RJ-24X:** Is normally associated with a telephone company provided key telephone system. It is typically used with registered ancillary devices such as conferencing devices, music on hold, etc., and is wired to provide the same tip, ring, A and A1 appearances as a standard five-line key telephone set.

**RJ-25C:** Provides for bridged connection to the tip and ring conductors of three separate telephone lines. The telephone company will wire the lines to the jack in the sequence designated by the customer. The RJ-25C is surface or flush mounted for use with desk telephone sets and ancillary devices.

**RJ-26X:** Is a multiple-line universal data jack for up to 8 lines in a 50-position miniature ribbon connector and accommodates either fixed-loss loop (FLL) or programmed (P) types of data equipment. A switch, accessible to the customer, is provided on each line to select FLL or P type of operation. FLL equipment transmits at  $-4 \pm 1$  dB with respect to one milliwatt and a pad is included in the data jack so that pad loss plus loop loss is nominally 8 dB. Programmed-type data equipment adjusts its output power in accordance with a programming resistor in the data jack. By these means, signals from either FLL or P types of registered data equipment will arrive at the local telephone company central office at a nominal  $-12$  dB with respect to one milliwatt for optimum data transmission.

**RJ-27X:** Is a multiple-line programmable data jack for up to 8 lines in a 50-position miniature ribbon connector and accommodates programmed data equipment only.

**RJ-31X:** Provides a series connection to the tip and ring conductors of a telephone line. It is wired ahead of all station equipment electrically and is typically used with registered alarm-reporting devices. When there's an alarm condition, the registered device functions to cut off all station equipment wired behind it, via this jack.

**RJ-32X:** Provides a series connection to the tip and ring conductors of a telephone line. It differs from RJ-31X in that it's wired ahead of a particular telephone set rather than ahead of all the station equipment. It's typically used with registered automatic dialers.

**RJ-33X:** Is normally associated with a key telephone system. It provides a series connection to the tip and ring conductors of the telephone line and the key-system line circuit A and A1 leads. The tip and ring conductors are wired ahead of the key-system line circuit. This arrangement is typically used when the modem requires central office or PBX ringing.

**RJ-34X:** Is normally associated with a key telephone system. It is wired to provide a series connection to the key-system line circuit tip and ring conductors and its A and A1 leads. It differs from RJ-33X in that all conductors are wired behind the key-system line circuit. This arrangement is typically used when the modem is not critical as to type of ringing signal or doesn't require central office or PBX ringing.

**RJ-35X:** Is normally associated with a key telephone set. It's wired to provide a series connection to the tip and ring conductors of the telephone line and a bridged connection to the A and A1 leads. It differs from RJ-33X and RJ-34X in that the tip and ring leads are connected to the common wiring behind the pickup keys of the station set but ahead of the switch hook. The jack is wired to the key telephone set so that the modem functions on the line selected on the key telephone set.

**RJ-36X:** Provides a connection for a registered telephone set equipped with an exclusion key when the telephone line is also to be used with a registered data set or registered protective circuitry. It's wired to provide a series connection to the tip and ring conductors of the telephone line and mode-indication leads MI and MIC. With this jack, the exclusion key can be used to transfer the telephone line between the modem and the telephone set. As a customer option, the exclusion key may be wired so that either the telephone set or the modem controls the line. In the former case, the exclusion key must be operated to transfer the telephone line to the modem. In the latter case, the telephone line is normally associated with the modem. Operation of the exclusion key is required to transfer the line to the telephone set. In either case, a closure on the MI and MIC leads indicates the voice mode.

**RJ-37X:** Is used for providing two-line service with exclusion. The jack is wired to provide a bridged connection to the tip and ring conductors of two telephone lines with exclusion on line 1.

**RJ-38X:** Provides a series connection to the tip and ring conductors of a telephone line identical to those described for RJ-31X. However, the jack also provides a continuity circuit which is used as an indication that the plug of the registered equipment is engaged with the jack. The jack is wired ahead of all station equipment electrically and is typically used with registered alarm dialers.

**RJ-41S:** Is a single-line universal data jack normally associated with fixed-loss loop (FLL) or programmed (P) modems. A switch, accessible to the user, is provided to select FLL to P type of operation. (FLL equipment transmits at -4 dB with respect to one milliwatt, and a pad is included in the data jack so that pad loss plus loop loss is nominally 8 dB. Programmed modems adjust their output power in accordance with a programming resistor in the data jack. By these means, signals from either FLL or P types of registered modems will arrive at the local telephone company central office at a nominal -12 dB with respect to one milliwatt for optimum data transmission). A sliding cover is provided to keep dirt and dust from entering the jack when it's not in use. The FLL/P switch selects the desired method of operation. Two matted surfaces are provided on the housing of the jack for the telephone company installer to write in the loop loss (designated LPQ) and the telephone line number (designated TLN).

**RJ-45S:** Is a single-line data jack normally associated with programmed (P) modems. This jack is the same as the universal data jack RJ-41S described above, except that the pad for fixed loss loop (FLL) equipment and the switch to select FLL or P type of operation are omitted. Its appearance is the same as RJ-41S except that RJ-45S does not have the FLL/P switch. Both jacks provide bridged connections to the tip and ring of a telephone line and provide mode-indication leads for use with exclusion key telephone sets when required. The exclusion key telephone set requires a series jack RJ-36X as its normal means of connection.

**RJ-41M and RJ-45M:** Provide a multiple-mounting arrangement for mounting a number of RJ-41S or RJ-45S Single-Line Universal or Programmed data jacks. The telephone companies will terminate USOCs, RJ-41M, and RJ-45M with RKM2X (which is the USOC equivalent for a mounting arrangement) and the appropriate number of RJ-41S or RJ-45S single-line data jacks as required by the user. The mounting arrangement will accommodate up to 16 single-line data jacks. In effect, this arrangement provides the features of a patch panel. The user has complete flexibility in patching the color and plug from any modem to any line. The arrangement can be mounted on a wall or on 19 or 23-inch relay racks.

**RJ-48S:** Normally associated with DDS services from the telephone company, this jack is used with DDS CSU/DSUs.

**RJ-48C:** Normally associated with a DSX-1 interface for a T1 circuit, this jack is used with T1 channel banks, T1 CSU/DSUs.

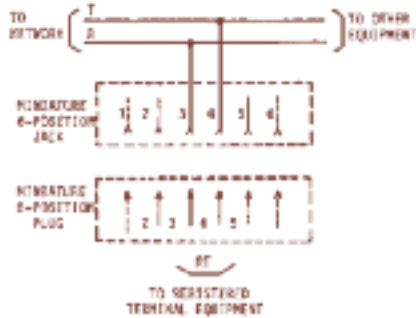
**RJ-48X:** 1.544 Mbps digital services.

**RJ-71C:** Provides a multiple series arrangement of tip and ring. It's typically used with registered series devices such as toll restrictors, etc. Jack RJ-71C can accommodate up to 12 circuits per jack (i.e., one tip and ring "in" and one tip and ring "out," 4 leads per circuit). This arrangement does not currently provide restoration upon disconnection of registered equipment. Thus, a manual bridging plug is provided in order to maintain circuit continuity upon withdrawal of a registered plug.

**RJ1DC:** Terminal equipment and systems requiring 4-wire exchange access.

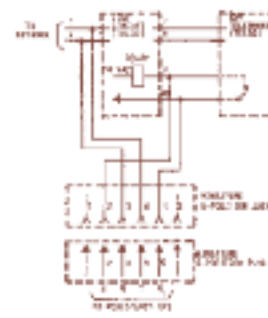
## USOC Wiring Diagrams

### RJ11C and RJ11W



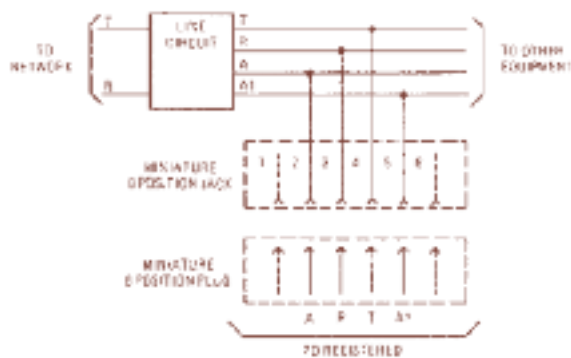
RJ11C		RJ11W
AT153AM-01	AT218	AT219-4
AT153AM-02	AT444	AT630A-4
AT153AM-03	AT468-4	AT630ABC-4
AT153AM-05	AT625B4	AT630AQB-4
AT202-4	AT625F4	AT630B-4
AT214B4	AT630ABC-4	
AT214C4	AT630AQB-4	
AT216-4	AT630BBC-4	
AT217-4	AT630BNL-4	

### RJ12C and RJ12W



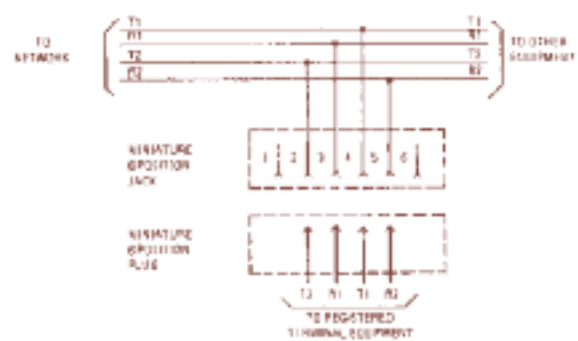
RJ12C		RJ12W
AT153AM-01	AT218	AT219-4
AT153AM-02	AT444	AT630A-4
AT153AM-03	AT468-4	AT630ABC-4
AT153AM-05	AT625B4	AT630AQB-4
AT202-4	AT625F4	AT630B-4
AT214B4	AT630ABC-4	
AT214C4	AT630AQB-4	
AT216-4	AT630BBC-4	
AT217-4	AT630BNL-4	

### RJ13C and RJ13W



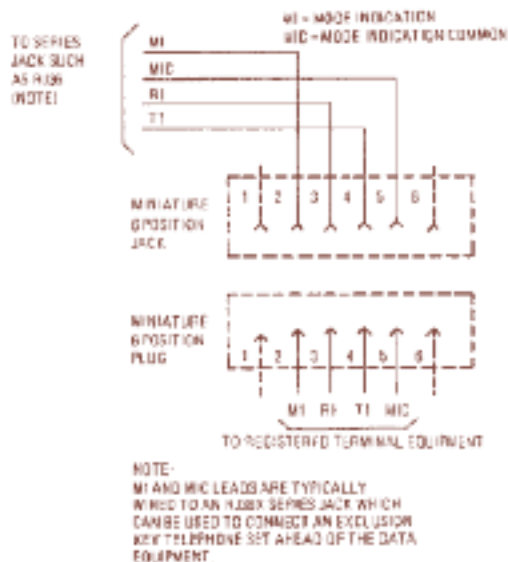
RJ13C		RJ13W
AT153AM-01	AT218	AT219-4
AT153AM-02	AT444	AT630A-4
AT153AM-03	AT468-4	AT630ABC-4
AT153AM-05	AT625B4	AT630AQB-4
AT202-4	AT625F4	AT630B-4
AT214B4	AT630ABC-4	
AT214C4	AT630AQB-4	
AT216-4	AT630BBC-4	
AT217-4	AT630BNL-4	

### RJ14C and RJ14W



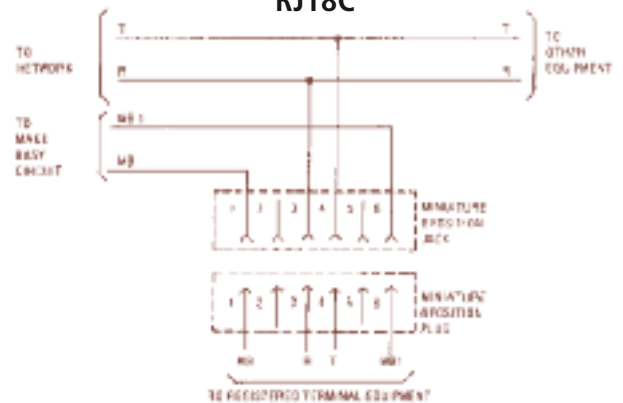
RJ14C		RJ14W
AT153AM-01	AT218	AT219-4
AT153AM-02	AT444	AT630A-4
AT153AM-03	AT468-4	AT630ABC-4
AT153AM-05	AT625B4	AT630AQB-4
AT202-4	AT625F4	AT630B-4
AT214B4	AT630ABC-4	
AT214C4	AT630AQB-4	
AT216-4	AT630BBC-4	
AT217-4	AT630BNL-4	

## RJ16X



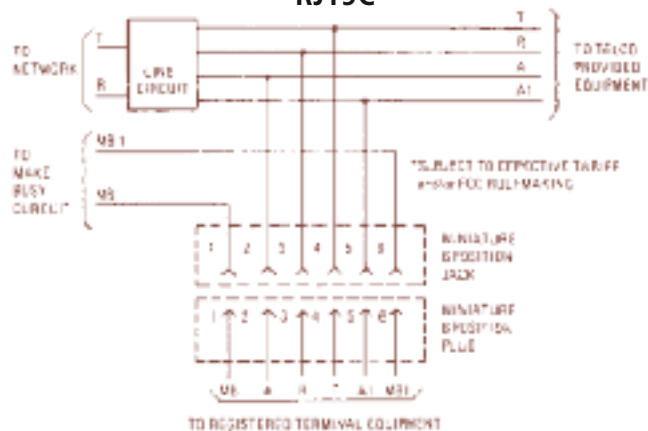
RJ16X
AT635B

## RJ18C



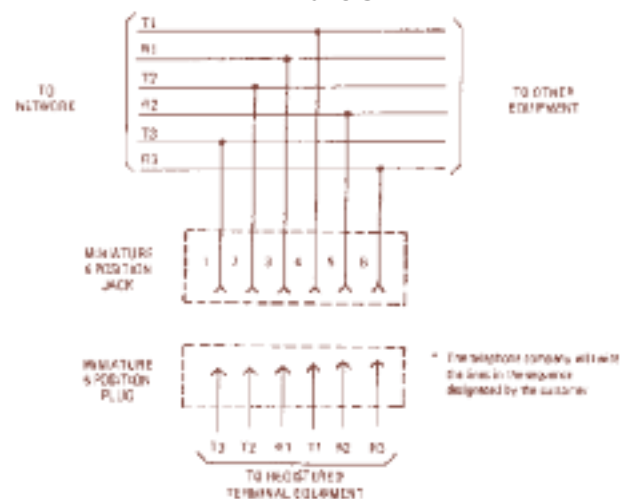
RJ18C	
AT153AM-06	AT625WP
AT214B6	AT630ABC-6
AT214C6	AT630AQB-6
AT216-6	AT630BBC-6
AT217-6	AT630BNL-6
AT468-6	AT666

## RJ19C



RJ19C	
AT153AM-06	AT625WP
AT214B6	AT630ABC-6
AT214C6	AT630AQB-6
AT216-6	AT630BBC-6
AT217-6	AT630BNL-6
AT468-6	AT666

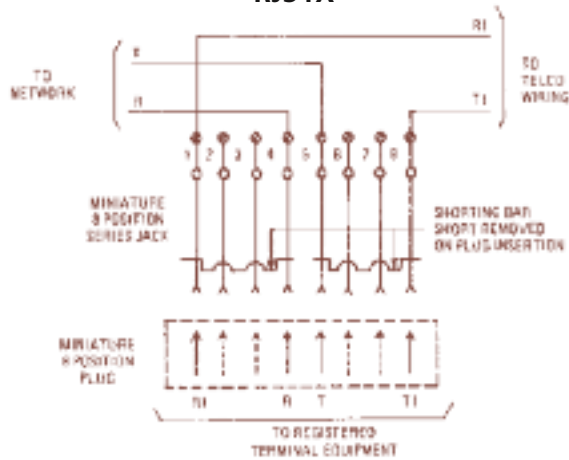
## RJ25C



RJ25C	
AT153AM-06	AT625WP
AT214B6	AT630ABC-6
AT214C6	AT630AQB-6
AT216-6	AT630BBC-6
AT217-6	AT630BNL-6
AT468-6	AT666



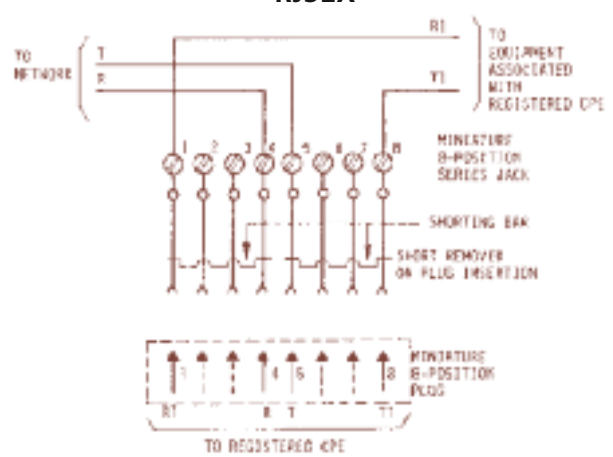
## RJ31X



### RJ31X

AT635C1  
AT635B

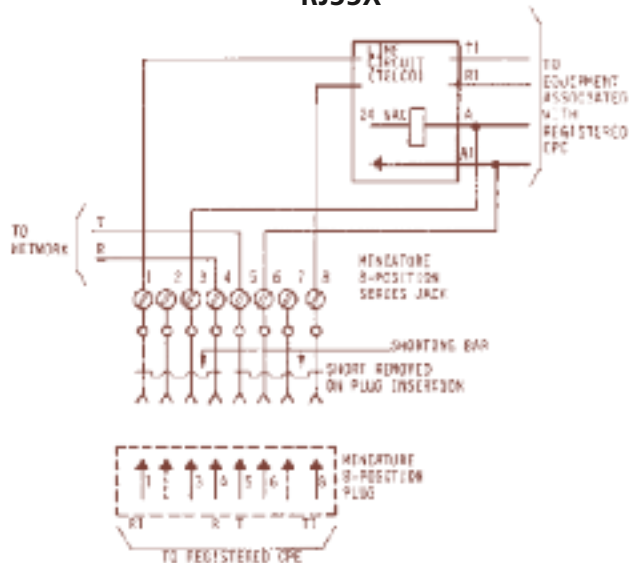
## RJ32X



### RJ32X

AT635C1  
AT635B

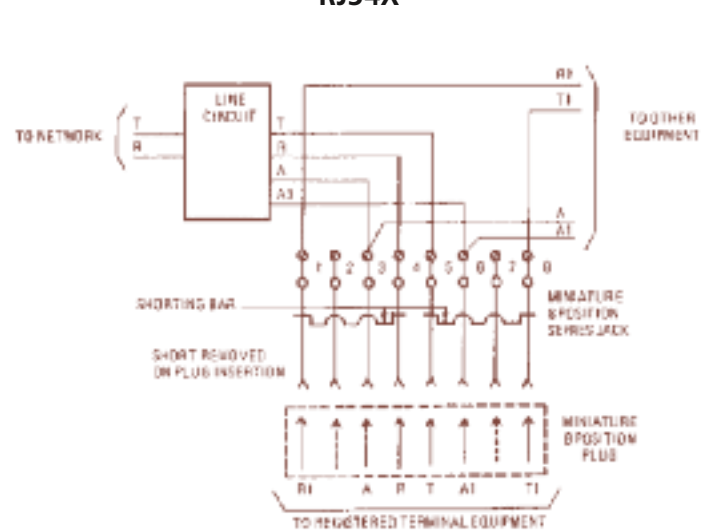
## RJ33X



### RJ33X

AT635C1  
AT635B

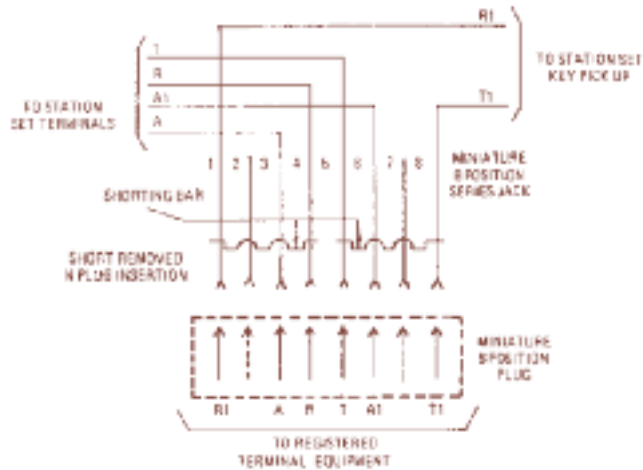
## RJ34X



### RJ34X

AT635C1  
AT635B

## RJ35X

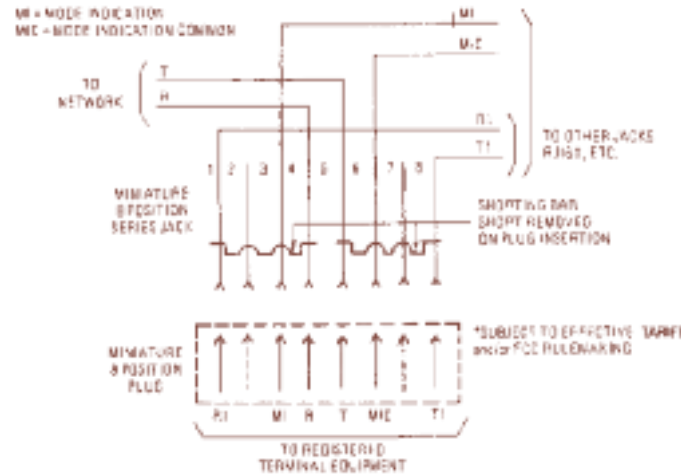


### RJ35X

AT635C1

AT635B

## RJ36X

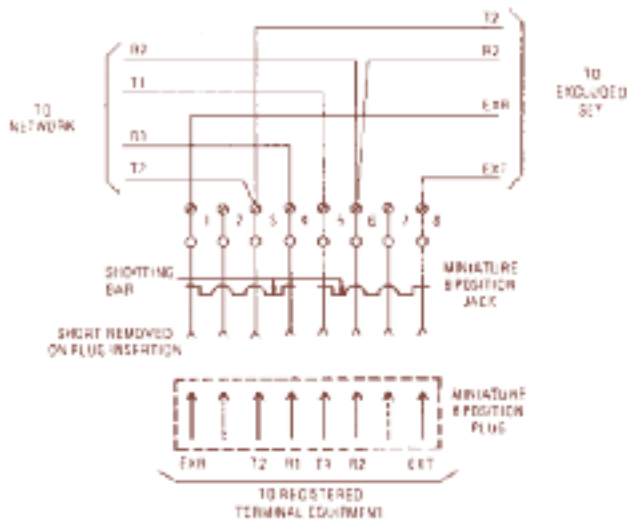


### RJ36X

AT635C1

AT635B

## RJ37X

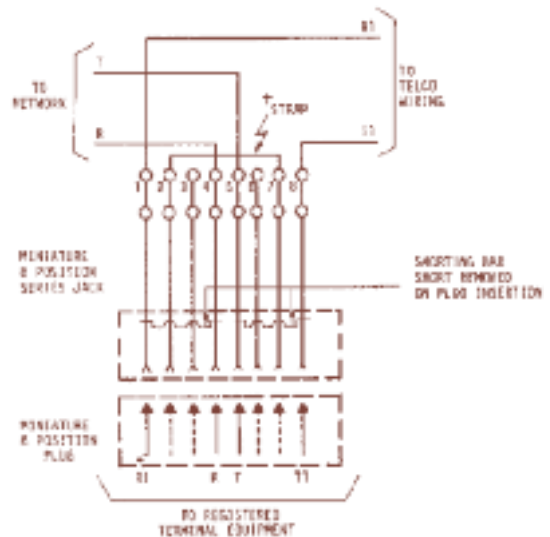


### RJ37X

AT635C1

AT635B

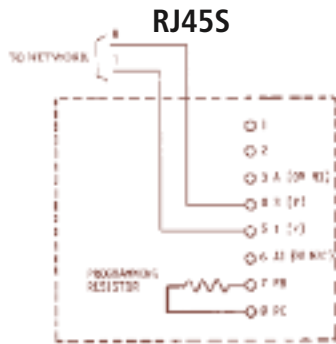
## RJ38X



### RJ38X

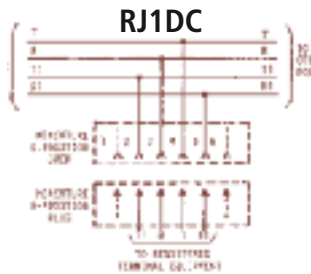
AT635C1

AT635B



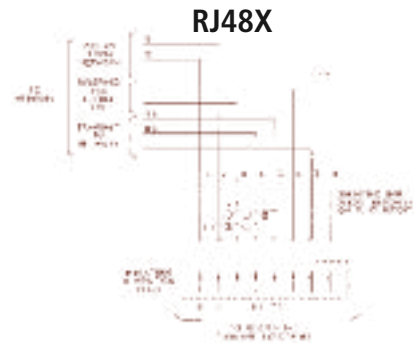
**RJ45S**

AT104B8-XX	AT217-8K
AT105BF-XX	AT268-K
AT106BFD-XX	AT635C



**RJ1DC**

AT153AM-01	AT214C4	AT625B-4
AT153AM-02	AT216-4	AT625F-4
AT153AM-03	AT217-4	AT630ABC-4
AT153AM-05	AT218	AT630AQB-4
AT202-4	AT444	AT630BBC-4
AT214B4	AT468-4	AT630BNL-4

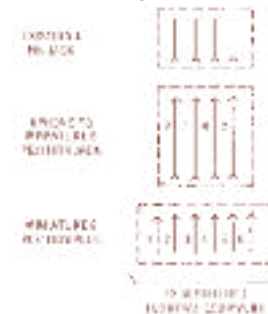


**RJ48X**

**RJ48X**

AT635CX

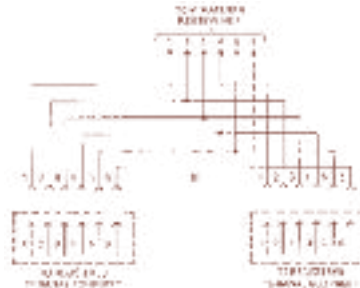
**RJA1X**



**RJA1X**

AT208

**RJA2X**



**RJA2X**

AT202-6

## RoHS Compliance Information

### RoHS - Restriction of Hazardous Substances; European Directive 2002/95/EC

Allen Tel Products, in concert with our raw-materials suppliers, has certified the vast majority of our products as compliant with RoHS requirements. Based upon information provided by suppliers of the raw materials used in the manufacture of our products, Allen Tel makes no independent representations or warranties, expressed or implied, and assumes no liability in connection with the use of this information.

Substance	Declaration (ppm-mg/kg)	Substance	Declaration (ppm-mg/kg)
Lead (Pb) / Lead Compounds	<1000 ppm	Hexavalent Chromium (Cr +6)	<1000 ppm
Cadmium (Cd) / Cadmium Compounds	< 100 ppm	Poly Brominated Diphenyl Ethers (PBDEs)	<1000 ppm
Mercury (Hg) / Mercury Compounds	<1000 ppm	Poly Brominated Byphenyls (PBBs)	<1000 ppm

The complete list includes all of the products manufactured after July 1, 2006 which are currently compliant. It is available on our website, [www.allentel.com](http://www.allentel.com). Allen Tel continues to modify the limited number of parts which do not yet meet the material requirements of RoHS. For certified RoHS documentation, or for additional information about any Allen Tel product, please contact us at [info@allentel.com](mailto:info@allentel.com), or by telephone at 702/855-5700 in Henderson, Nevada.

## Connectorized Cable Assemblies

### Technical Data for Connectorized Cable

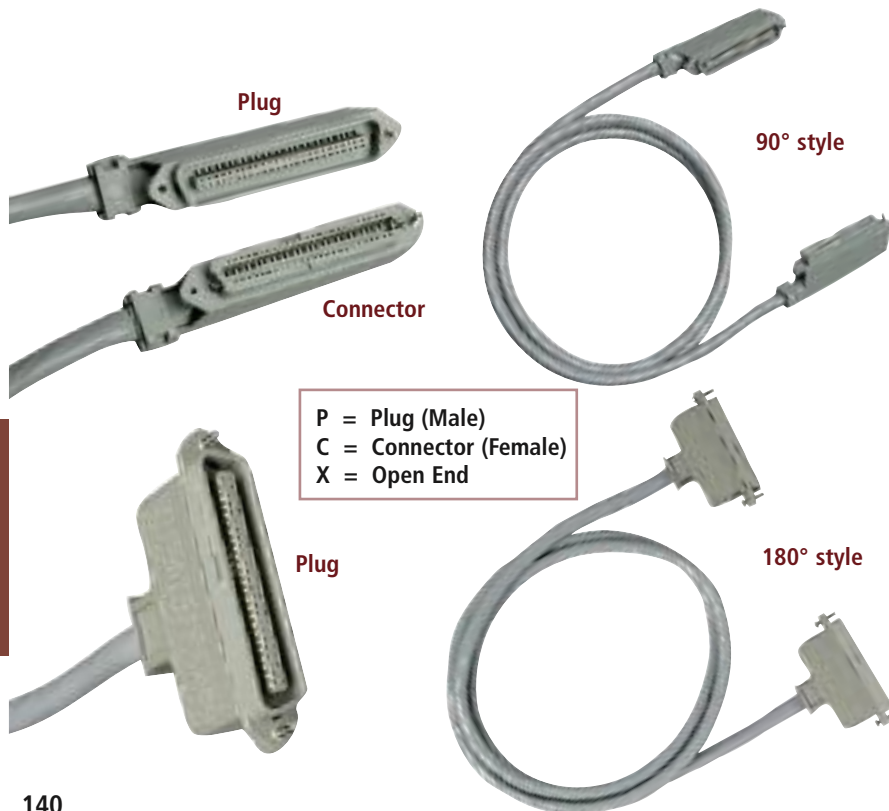
**Conductors:** 24 AWG. Bare solid annealed copper wire.

**Conductor Insulation:** PVC, polyvinyl chloride, is used as insulation over the copper conductors. It is semi-rigid, heat resistant and has good resistance to abrasion and cold flow. Vivid colors are incorporated in the insulation for lasting and positive identification.

**Color Coding:** Fully color coded band marked with individual pairs twisted for ease of identification. The color band on each conductor matches body insulation color of matching conductor. Standard telephone industry color is incorporated throughout.

### Electrical Characteristics

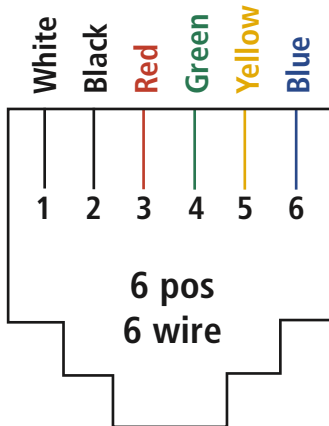
Frequency MHz	Attenuation dB/100m	Next dB (worst Pair)	Impedance Ohms
0.256	1.3	/	/
0.512	1.8	/	/
0.772	2.2	43	/
1.0	2.8	41	100±15
4.0	5.8	32	100±15
5.0	8.5	27	100±15
10.0	9.7	26	100±15
16.0	13.1	23	100±15



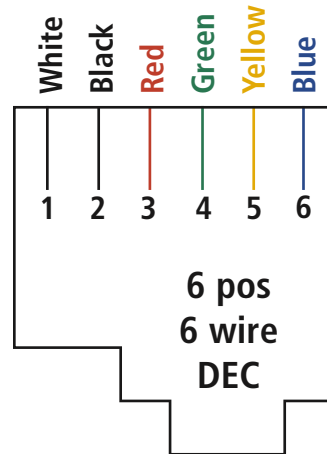
### RJ21X Telco

Color Code		Pair #	PIN #
White/Blue	1	T1	26
Blue/White		R1	1
White/Orange	2	T2	27
Orange/White		R2	2
White/Green	3	T3	28
Green/White		R3	3
White/Brown	4	T4	29
Brown/White		R4	4
White/Slate	5	T5	30
Slate/White		R5	5
Red/Blue	6	T6	31
Blue/Red		R6	6
Red/Orange	7	T7	32
Orange/Red		R7	7
Red/Green	8	T8	33
Green/Red		R8	8
Red/Brown	9	T9	34
Brown/Red		R9	9
Red/Slate	10	T10	35
Slate/Red		R10	10
Black/Blue	11	T11	36
Blue/Black		R11	11
Black/Orange	12	T12	37
Orange/Black		R12	12
Black/Green	13	T13	38
Green/Black		R13	13
Black/Brown	14	T14	39
Brown/Black		R14	14
Black/Slate	15	T15	40
Slate/Black		R15	15
Yellow/Blue	16	T16	41
Blue/Yellow		R16	16
Yellow/Orange	17	T17	42
Orange/Yellow		R17	17
Yellow/Green	18	T18	43
Green/Yellow		R18	18
Yellow/Brown	19	T19	44
Brown/Yellow		R19	19
Yellow/Slate	20	T20	45
Slate/Yellow		R20	20
Violet/Blue	21	T21	46
Blue/Violet		R21	21
Violet/Orange	22	T22	47
Orange/Violet		R22	22
Violet/Green	23	T23	48
Green/Violet		R23	23
Violet/Brown	24	T24	49
Brown/Violet		R24	24
Violet/Slate	25	T25	50
Slate/Violet		R25	25

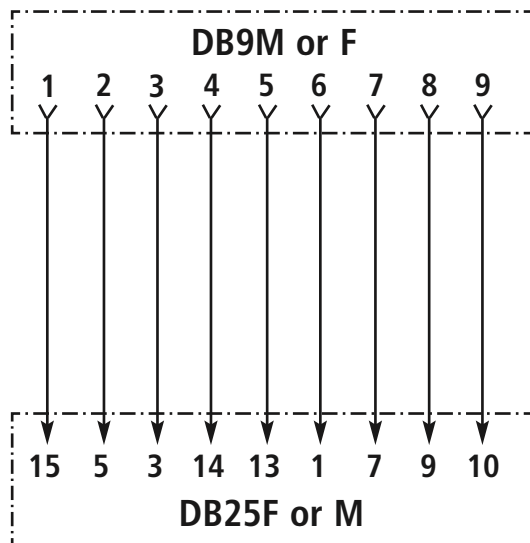
## Data Adapter and Connector Modules



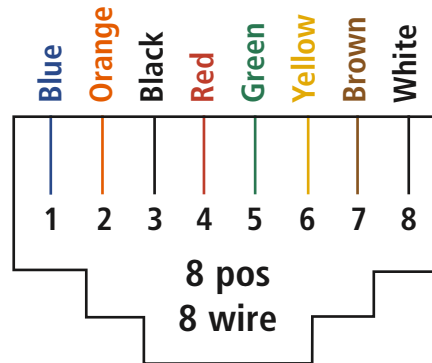
Part Number
ATDB9F-6
ATDB9M-6
ATDB15F-6
ATDB15M-6
ATRA6F
ATRA6M



Part Number
ATDB9F-DEC
ATDB9M-DEC
ATRA6F-DEC
ATRA6M-DEC

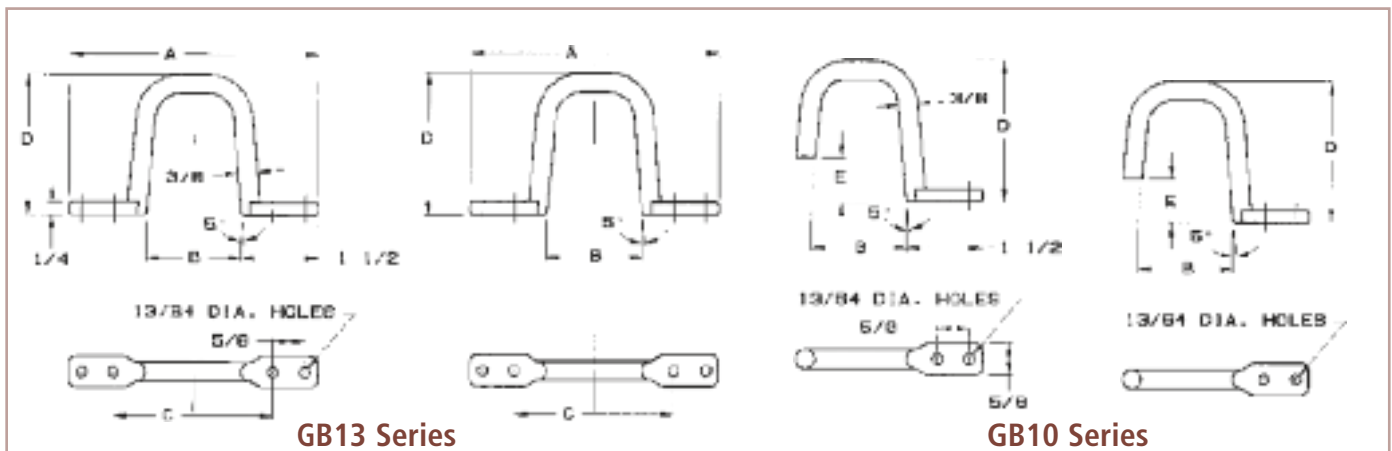


Part Number
ATGC9F25M
ATGC9M25F



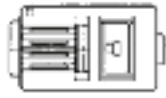
Part Number
ATDB9F-8
ATDB9FS-8
ATDB9M-8
ATDB9MS-8
ATDB15F-8
ATDB15M-8
ATRA8F
ATRA8M
ATRA8FS
ATRA8MS

## Distributing Rings

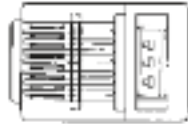




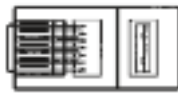
## Modular Plugs for Stranded Wire



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT4X4	4-contact, 4-position plug for handset cords	50	1000
AT4X6	4-contact, 6-position plug for line cords	50	1000



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT8X8	8-contact, 8-position plug for line cords and data applications	50	1000
AT8X8K	Same as AT8X8 except keyed	50	1000



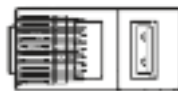
Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT8X8RC	8-contact, 8-position modular plug designed for round cordage such as AT8CRB	50	1000



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT6X6	6-contact, 6-position plug for line cords	50	1000

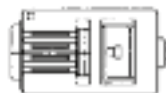


Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT6X6DEC	6-contact, 6-position DEC plug for line cords	50	1000

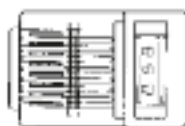


Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT10X10	10-contact, 10-position. Body size is the same as AT8X8	50	25

## Modular Plugs for Solid Wire (Smoky Grey Color)



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT4X4SC-2224	4-contact, 4-position plug for 24GA solid wire	100	1000
AT4X6SC-2224	4-contact, 6-position plug for 24GA solid wire	100	1000
AT6X6SC-2224	6-contact, 6-position plug for 24GA solid wire	100	1000
AT8X8SC-2224	8-contact, 8-position plug for 24GA solid wire	100	1000

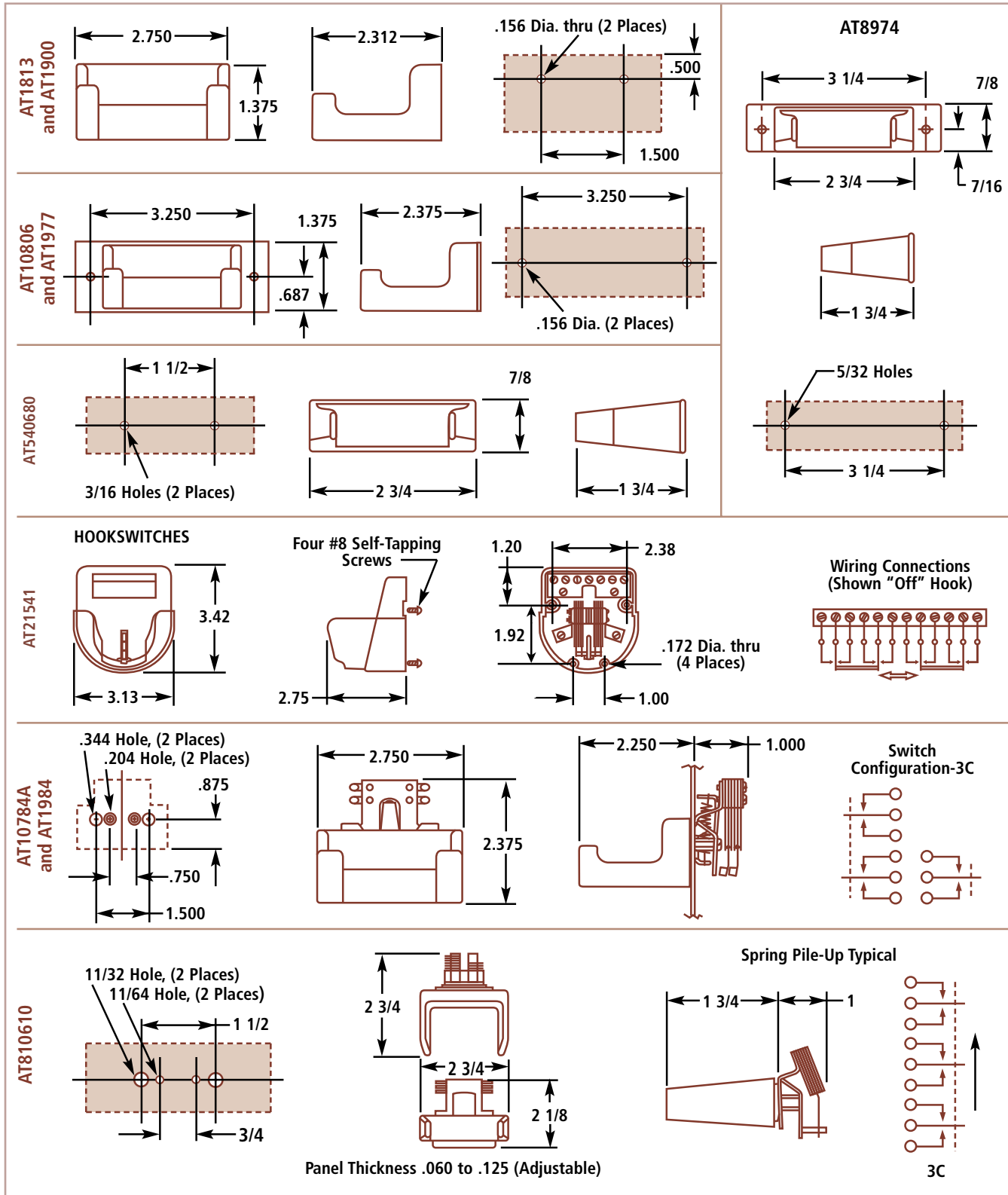


Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AT6X6RCSC-2224	6-contact, 6-position plug for round cord with solid 24GA wire	100	1000
AT8X8RCSC-24	8-contact plug for round cord with solid 23/24GA wire	100	1000

Meets Graybar's Direct Attach Cat 5e and Cat 6 performance

## Mounting Details

### Handset Hangers and Hookswitch Assemblies



## 110 Connector

Insulation displacement connector (IDC) used in modular jacks, patch panels and cross connects.

## 1000BASE-T

IEEE standard defines a Gigabit Ethernet local area network running 1000Mbps base band over unshielded twisted-pair cabling. Throughput over 10Base-T is improved by decreasing bit latency periods and increasing packet speeds.

## 100BASE-T

IEEE standard defines an Ethernet local area network running 100Mbps base band over unshielded twisted-pair cabling. Throughput over 10Base-T is improved by decreasing bit latency periods and increasing packet speeds.

## 10BASE-T

IEEE standard defines an Ethernet local area network running 10Mbps base band over unshielded twisted pair cabling, typically associated with Category 5.

## 10GBASE-T

Proposed IEEE standard defines 10 Gigabit Ethernet running 10GMbps over unshielded twisted-pair cabling. Positioned as high speed technology to support Metropolitan Area Networks and other high-demand applications.

## 66 Block

Cross connect system.

## 802.11 a/b/g

IEEE standards for wireless LANs. An 802.11a/b/g compatible Wireless Access Point works interchangeably with all three (802.11a, 802.11b, and 802.11g).

## 802.3 network

A 10 MBPS CSMA/CD bus based LAN; commonly called Ethernet.

## AFEXT

See Far End Cross Talk.

## ANEXT

See Near End Cross Talk.

## ATM

Asynchronous Transfer Mode. This is a new emerging data standard (protocol) that uses many of the same data rates as Fiber Channel and SONET.

## Alien Crosstalk (AXT):

Refers to cables interfering with the signals of other cables in close proximity. This tends to be significant in Category 6 cables exposed to high frequencies, but quite low in Cat6a.

## American National Standards Institute (ANSI)

A private non-profit organization oversees the development of voluntary consensus standards for products, services, processes, systems, and personnel in the United States. These standards ensure that the characteristics and performance of products are consistent, that people use the same definitions and terms, and that products are tested the same way.

## Analog

Format that uses continuous physical parameters to transmit information. Examples of parameters are voltage amplitude and carrier frequency.

## Armored Cabling

Traditional fiber optic cabling is protected with plastic inner-duct that offers very little protection from a drill bit or powered saw. Armored cabling provides a much higher degree of protection against accidental damage that can bring down your network in a flash. Typically done by contractors and maintenance technicians working in the building.

## Attenuation

In fiber optic cable, attenuation results from absorption, scattering and other radiation losses. It is usually expressed as decibels per kilometer (dB/km) without the negative sign. Calculations and equations involving loss show and use the negative sign.

## Attenuator

A passive optical component that intentionally reduces the optical power propagating in a fiber optic cable.



## BNC

A bayonet style co-axial connector.

## Backboard

Refers to a plywood or metal panel mounted on the wall of a telecom closet to mount the cross connect.

## Backbone Wiring

The physical/electrical interconnections between telecommunications closets and equipment rooms. Cross-connect hardware and cabling in the Main and Intermediate Cross-Connects are considered part of the backbone wiring.

## Balun

A transformer used to attach co-axial or twinaxial equipment to twisted pair cabling.

## Bandwidth

The difference between the highest and the lowest frequencies of a transmission channel (path for information transmission). Identifies the amount of data that can be sent through a given channel. Measured in Hertz (Hz); higher bandwidth numbers mean higher data capacity.

## Bend Radius (Fiber)

Radius of curvature that a fiber can bend without breaking. Also see Cable Bend Radius..

## Bit

A binary digit which is generally either '0' or '1.' It is the smallest representation of information in a communications and/or computing system.

## Bit rate

The number of bits of data transmitted per second over a communications link. This usually represented as BPS with KBPS standing for kilo bits per second (1000 BPS) and MBPS standing for mega bits per second (million BPS) and GBPS standing for giga bits per second (billion BPS) etc.

## Break Out cable

Same as a Fan Out cable. This is a multiple fiber optic cables constructed in the tight buffered design. It is designed for ease of connectorization and rugged applications for intra-building and inter-building requirements.

## Building Industry Consulting Service International (BICSI)

This professional association supports the advancement of the information and communications technology industry and publishes standards, guidelines and reference manuals for use in the design, installation and integration of information technology systems (ITS) such as the ANSI/EIA/TIA structured cabling system standard.

## Bit Error Rate (BER)

In digital applications, the percentage of bits received in error to the total number of bits received. Usually expressed as a number to the power of 10. For example 10 to the fifth power means that one in every 100,000 bits transmitted will be wrong.

## Buffer

A protective layer over the fiber optic cable, such as a coating, an inner jacket, or a hard tube. The primary buffer, next to the cladding, is 250 mm in diameter. A secondary buffer of 900 mm is used on indoor cables.

## Buffer coating

A protective layer, such as an acrylic polymer, applied over the fiber optic cable cladding.

## Buffered fiber

Fiber optic cable protected with an additional material, usually hytrel or nylon, to provide ease in handling, connectorization and increased tensile strength.

## Buffer tube

A hard plastic tube, having an inside diameter several times that of a fiber optic cable, that holds 1 or more fiber optic cables.

## Building entrance

Terminal cable entrance point where typically a trunk cable between buildings is terminated and fiber is then distributed through the building.

## CPE

Customer Premises Equipment.

## Cable Assembly

A fixed length of cable with connectors installed on both ends. Sometimes called a patch cord, patch cable or jumper.

## Cable Bend Radius

The amount of bend that can occur before a cable may sustain damage or increased attenuation.



## Category 3

A category of performance for inside wire and cable systems. Commonly used for voice applications and data to 10Mbps. Defined by FCC Part 68, ANSI/EIA/TIA-568, TIA TSB-36 and TIA TSB-40.

## Category 5

A category of performance for inside wire and cable systems. Used in support of voice and data applications requiring a carrier frequency of up to 100 MHz. Defined by FCC Part 68, EIA/TIA-568, TIA TSB-36 and TIA TSB-40.

## Category 5e (Enhanced)

A category of performance for inside wire and cable. Used in support of signaling rates of up to 100MHz over distances of up to 100 meters. Calls for tighter twists, electrical balancing between pairs and fewer cable anomalies. CAT 5e is intended to support 100Base-T, ATM and Gigabit Ethernet.

## Category 6

A cable standard for Unshielded Twisted Pair (UTP) supporting signaling rates up to 250 MHz. Applications include 1000Base-T, ATM, Gigabit Ethernet and applications under development.



## Category 6 Augmented

Also referred to as 10G or 10Gigabit Ethernet. A cable standard for Unshielded Twisted Pair (UTP) supporting signaling rates up to 500 MHz. Applications include 10GBase-T, ATM, 10 Gigabit Ethernet, VoIP, and applications under development.

## Category 7 cabling

Category 7 cable (Cat 7), (ISO/IEC 11801:2002 category 7/class F), is a cable standard for Ethernet and other interconnect technologies that can be made to be backwards compatible with traditional Cat 5e and Cat 6 Ethernet cable. Cat 7 cable features four individually shielded pairs as well as an overall cable shield to protect the signals from crosstalk and EMI. Cat7 cable provides a copper solution to support applications up to 10-Gigabit Ethernet at 100 meters.

## Category 7a cabling

Cat-7 network cabling is used as a cabling infrastructure for 1000BASE-T (Gigabit Ethernet, or GbE) and 10GBASE-T (10-Gigabit Ethernet, or 10 GbE) networks. The Cat 7 standard provides performance of up to 600 MHz (1000 MHz for the Cat-7a, or Augmented Category 7 standard) and can be used up to a maximum length of 100 meters.

## Category 8 copper cabling

Category 8, the classification for the next-generation twisted-pair cabling, has potential for up to a 2GHz specification-four times today's 500MHz bandwidth. That means copper could accommodate 10GBase-T using the same power per port or even less. Unlike copper cabling for earlier 1G and 10G technologies, Cat 8 will not have a 100-meter range.

## Category of Performance

Cabling and cabling component standard adopted by the telecommunications industry.

## Central office (CO)

The places where communications common carriers terminate customer lines and locate switching equipment that interconnects those lines. It is the lowest hierarchical level of a TELCO backbone network. It is from the Central office level that local loops go out to end-user customer premises equipment.

## Channel

The entire horizontal cabling system. Everything between the computer and the LAN hub in the telecom closet, excluding the equipment connections.

## Cladding

A low refractive index glass or plastic that surrounds the core of the fiber optic cable. Optical cladding promotes total internal reflection for the propagation of light in fiber. The cladding steers light to the core.

## Cleaving

The controlled breaking of a fiber so that its end surface is smooth.

## Coating

A material put on a fiber optic cable during the drawing process to protect it from the environment.



## Co-axial Cable

Coaxial cabling (commonly called coax) has a single copper conductor at its center. A plastic layer provides insulation between the center conductor and a braided metal shield. The metal shield helps to block any outside interference from fluorescent lights, motors, and other computers. It is highly resistant to signal interference. Supports longer cable lengths between network devices. There are two types of coaxial cabling: thick coaxial and thin coaxial.

## Compliance

A wiring device that meets all characteristics of a standard is said to be in compliance with that standard.

## Conductor

Any substance, usually a wire or cable that can carry an electrical current.

## Conduit

Pipe or tubing through which cables can be pulled or housed.



## Connecting Block

Also called a terminal block, punch-down block, quick-connect block, or cross-connect block, this plastic block contains metal wiring terminals to establish connections from one group of wires to another. Usually each wire can be connected to several other wires in a bus or common arrangement. There are several types of connecting blocks: 66 clip, BIX, Krone, 110, etc. A connecting block has insulation displacement connections (IDCs), which means you don't have to remove insulation from around the wire conductor before you "punch it down" (terminate it).

## Connector

A device that connects wires or fibers in cable to equipment or other wires or fibers. Wire and optical connectors most often join transmission media to equipment or cross connects. Connectors are sometimes referred to as jacks, but though all jacks are connectors, not all connectors are jacks.

## Consolidation Point

An interconnect device that allows the horizontal cable to be split into two parts. Used for zone cabling.

## Coupler

Used in 2 contexts. First, it is a passive device that distributes optical power among 2 or more ports and this can be in different ratios. Secondly, it is a multi-pod device used to distribute optical power.

## Cross-connect

Distribution system equipment used to terminate and administer communication circuits. In a wire cross-connect, jumper wires or patch cords are used to make circuit connections. In an optical cross-connect, fiber patch cords are used. The cross-connect is located in an equipment room, riser closet, or satellite closet.

## Crosstalk

Crosstalk is the "bleeding" of signals between one cable into another, due to a process called induction, thereby causing the signal from one channel or circuit to interfere with another channel or circuit's signal. This effect can result in slow network transfer speeds, and can even completely block the transfer of signals over the cable. Due to better insulation, signal degradation from near-end crosstalk (NEXT), power sum NEXT (PS-NEXT) and attenuation is far lower in Category 6 cable than it was in earlier versions like Cat5 and Cat5e. Cat6a reduces this to an even lower level.

## Daisy Chain

In telecommunications, a wiring method where each telephone jack in a building is wired in series from the previous jack. Daisy chain is NOT the preferred wiring method, since a break in the wiring would disable all jacks "downstream" from the break. See also Home Run.

## Data Center

A data center is a facility used for housing a large amount of electronic equipment, typically servers, computers, and communications equipment. Data centers are designed to assure that the servers and the data housed on them are protected from environmental hazards and security breaches. Data centers can be private, serving a single company or a public "utility" serving a variety of companies.

## Data Rate

The speed, measured in bits per second, that a particular network transmits data.

## db (Decibel)

A dB is a unit of measure of signal strength, usually the relation between a transmitted signal and a standard signal source. Every 3dB equals 50% of signal strength, so therefore a 6dB loss is a loss of 75% of total signal strength.



## Delay Skew

The difference in propagation delay between the slowest and fastest pairs in a cable or system.

## Demarcation Point

The point of interconnection between telephone company terminal equipment and your building wiring. The protective apparatus or wiring at a subscriber's premises.

## Device

As distinguished from equipment. In telecommunications, a "device" is the physical interconnection outlet. Equipment (a computer, phone, fax machine, etc.) then plugs into the device. See also Equipment and Plug.

## DVI

Digital Video Interface

## Drop

Refers to the horizontal cabling for one work area.

## Duplex operation

Transmission on a data link in both directions. Half duplex refers to such transmission, but in a time-shared mode- only one direction can transmit at a time. With full duplex there can be transmission in both direction simultaneously.

## EIA

Electronic Industries Alliance. A trade organization of manufacturers which set standards for use of its member companies. Many associations fall under the umbrella of EIA, though it has recently been absorbed by the TIA, or Telecommunications Industry Association. See [www.eia.org](http://www.eia.org) or [www.tiaonline.org](http://www.tiaonline.org).



## EIA/TIA

Electronics Industry Association/  
Telecommunications Industry Association.

## ELFEXT

Equal Level Far End Crosstalk. A measure of FEXT which accounts for the attenuation of the cabling system.

## EMI

Electromagnetic interference. It is any electrical or electromagnetic interference that causes an undesirable response, degradation or failure in electronic equipment. Fiber optic cables neither emits nor receives EMI.

## Electronics Technicians Association, International (ETA® International)

This not-for-profit 501(c) 6 professional association provides professional credentials in over 80 certifications including electronics, fiber optics and data cabling, wireless communications, alarm security, computers, audio/video distribution, home automation, customer service, renewable energy, satellite, biomedical, avionics and, radar. ETA is one of 13 COLEMs for U.S. Federal Communications Commission (FCC) testing. All certifications are accredited by the International Certification Accreditation Council (ICAC) and align with the ISO-17024 standards.

## Equipment

As distinguished from Device. Telecom equipment (computers, phones, faxes, etc.) plugs into telecommunications outlets or devices. See also Device.

## Ethernet

Type of local area network used for connecting computers, printers, workstations, terminals, etc. within the same building. Ethernet is a physical link and data link protocol that operates over twisted pair wire and over co-axial cable at speeds up to 10Mbps.

## FEXT

(See Far End Crosstalk.)

## Fan Out cable

Multiple fiber optic cables constructed in the tight buffered design. It is designed for ease of connectorization and rugged applications for intra-building and inter-building requirements. (Same as a Break Out cable.)

## FC

A connector type. Utilized for single-mode fiber optic cable. It offers extremely precise positioning of the single-mode fiber optic cable with respect to the emitter and detector. It features a position locatable notch and a threaded receptacle. Once installed, the position is maintained with absolute accuracy.

## FC/PC

A connector type. It is utilized for single mode cable. It offers extremely precise positioning of the single mode cable with respect to the emitter and detector. It features a position locatable notch and a threaded receptacle. Once installed the position is maintained with absolute accuracy.

## Far End Crosstalk (FEXT)

An electromagnetic interference (EMI), a type of crosstalk, introduced on UTP by close-by wires, usually running in parallel with the FEXT induced wire. "Far End" refers to the inductance of EMI in the end further from the end being measured on the alternate wire in a pair.

## Ferrule

Component of a connector that holds a fiber optic cable in place and aids in its alignment. It is usually cylindrical in shape with a hold through the center.

## F Connector

Common co-axial connector used for video applications (CATV).

## Fiber

Thin filament of glass. An optical waveguide consisting of a core and a cladding which is capable of carrying information in the form of light.

## Fiber bandwidth

The lowest frequency at which the magnitude of the fiber transfer function decreases to a specified fraction of the zero frequency value. Often the specified value is 1/2 of the value of the transfer function at zero frequency.

## Fiber Distributed Data Interface network (FDDI)

A token passing ring network designed specifically for fiber optic cable and featuring dual counter-rotating rings and 100 MBPS operation.

## Fiber Optics

A technology in which light beams are used to transport digital information from one point to another via thin filaments of glass. Benefits include the ability to transmit enormous amounts of data over long distance, high bandwidth, relatively low cost, low power consumption, small space needs, total insensitivity to electromagnetic interference, and excellent security control.

## GHz

Giga Hertz, 1 Billion Hz.

## Gigabit

When used to describe data transfer rates, it refers to 10 to the 9th power (1,000,000,000) bits. Gigabit Ethernet, abbreviated GbE, supports data transfer rates of 1 Gigabit (1,000 megabits) per second. The first Gigabit Ethernet standard (802.3z) was ratified by the IEEE 802.3 Committee in 1998.

## Gigabit Ethernet

The newest and fastest version of Ethernet. Data rate is 1000 Mbps or 1 Gigabit per second.

## Gigabyte

A unit for measuring computer memory or data storage. A unit of information equal to 1000 megabytes.

## Headroom (Also called Overhead or Margin)

The number of decibels by which a system exceeds the minimum defined requirements. The benefit of headroom is that it reduces the bit error rate (BER), and provides a performance 'safety net' to help ensure that current and future high speed applications will run at peak accuracy, efficiency and throughput.

## Hertz

Unit of frequency equal to 1 cycle per second.

## Home Run

Telephone system wiring where the individual cables run from each telephone directly back to the central switching equipment. Home run cabling can be thought of as "star" cabling. Every cable radiates out from the central equipment. See also Star Wiring, Daisy Chain.

## Horizontal Cabling

Includes the work area outlet, distribution cable and connecting hardware in the telecom closet.

## Hub

Network device, usually in the telecom closet, that stations connect to.

## IDC (Insulation Displacement Connection)

A type of wire termination where wire is "punched down" into a metal holder which cuts into the insulation wire and makes contact with the conductor, causing the electrical connection to be made.

## IDF (Intermediate Distribution Frame)

Metal rack designed to connect cables located in an equipment room or closet. Consists of components that provide the connection between inter-building cabling and the intra-building cabling, i.e. between the Main Distribution Frame (MDF) and individual telephone wiring. There's usually a permanent, large cable running between the MDF and IDF. The changes in wiring are done at the IDF.

## IEEE

Institute of Electrical and Electronics Engineers. Develops Local Area Network standards and Metropolitan Area Network standards.

## ISDN

Integrated Services Digital Network. A TELCO offering to allow computers to communicate through the telephone Wide Area Network at speeds up to 128 KBPS.

## ISO

International Standards Organization. This is an independent international body formed to define standards for multi-vendor network communications. Its 7 layer Open Systems (OSI) reference model defines the protocol layers of network architectures which vendors should account for in their product offerings.

## Impedance

The total opposition (i.e. resistance and reactance) a circuit offers to the flow of alternating current. It is measured in ohms, and the lower the ohmic value, the better the quality of the conductor.

## Industrial Cabling Solutions:

Industrial and other harsh environments require specialized connectors, outlet plates, and enclosures designed to protect networking components from water, dust, and other harsh environmental elements. Most local area networks are built with relatively inexpensive hardware such as Ethernet cables, network adapters, and hubs. Wireless LAN and other more advanced LAN hardware options also exist.

## Insertion Loss

The difference in the amount of power received before and after something is inserted into the circuit. In optical fiber, insertion loss is the optical power loss due to all causes, usually expressed as decibel/kilometer.

## Interconnect

A circuit administration point, other than a cross-connect or an information outlet, that provides capability for routing and rerouting circuits. It does not use patch cords or jumper wires, and typically is a jack-and-plug device used in smaller distribution arrangements or that connects circuits in large cables to those in smaller cables.

## Interoperability

The ability of systems or components to provide services to and accept services from other systems or units. Therefore, the services are able to operate effectively together. Interoperable structured cabling systems allow the user their choice of connectivity components which will effectively operate in conjunction with their choice of cable.

## Jumper

Usually unjacketed twisted pair wire used to make a cross connection.

## Kbps

A data rate. Kilobits, or thousands of bits, per second.

## LAN

Local Area Network. A short distance network (typically within a building or campus) used to link together computers and peripheral devices (such as printers) under some form of standard control.

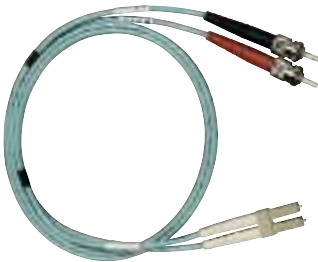


## LC (Latching Connector)

A miniaturized version of the fiber-optic SC connector. It looks just like the SC, but is half the size with a 1.25 mm ferrule instead of 2.5 mm.

## LED

Light Emitting Diode.



## Laser Optimized

Laser-optimized (50 micron, multimode) fiber: Laser-optimized multimode fiber cable allows the use of lower cost laser light sources, so-called VCSELs (Vertical Cavity Surface Emitting Lasers) to achieve speeds and distances previously only possible through a more expensive single mode fiber laser. TIA-568-C outlines the specification for OM3 grade fiber as an 850-nm, laser-optimized, 50 micron cabled fiber for 10GbE distances out to 300 meters. TIA-598-C standard adopted the aqua colored jacket to correspond to performance requirements.

## Link

The part of the horizontal cabling system between the work area outlet and the telecom closet termination.

## Mbps

Megabits Per Second. One million bits per second. (Different from MBps, or a million bytes per second.)

## MDF

Main Distribution Frame. A wiring arrangement which connects the telephone lines coming from outside on one side and the internal lines on the other. A main distribution frame may also carry protective devices as well as function as a central testing point.



## MDU

Multiple Dwelling Unit

## Mhz

Megahertz. Millions of cycles (Hertz) per second. A frequency or frequency range (Bandwidth) through which a cabling system is specified.

## Mechanical splice

A splice in which fiber optic cables are joined mechanically for example by being glued or crimped in place. However, they are not fused together.

## Megabyte

A unit for measuring computer memory or data storage. A unit of information equal to 1000 kilobytes.

## Modular Jack

The standard female connector for twisted pair cable.

## Modular Plug

The standard male connector for twisted pair cable.

## MT-RJ

A small form factor fiber optic connector that is defined by its high density footprint and RJ47 locking mechanism.

## Multimode

Optical fiber with either 50 micron or 62.5 micron core size, designed to allow light to carry multiple signals distinguished by frequency or phase, at the same time. Can be used with LED or LASER light sources. Contrasts with single-mode. Common in Local Area Networks.

## Multi-user outlet

A work area outlet designed to support multiple users. Also called multi-user telecommunications outlet assembly.

## Near End Crosstalk

(NEXT) is an electromagnetic interference (EMI), also known as crosstalk, introduced on UTP by close by wires, usually running in parallel with the NEXT induced wire. "Near End" refers to the inductance of EMI in the end closer to the end being measured on the alternate wire in a pair.

## Network

A network ties things such as communications or computer equipment together. Computer networks connect computers and computer-related things— terminals, printers, modems, door entry sensors, temperature monitors, etc. Local Area Networks (LANs) to connect computer equipment within a building or campus. Wide area networks extend beyond metropolitan areas.

## NIC

Network Interface Card. Allows a PC to attach to a network.

## Node

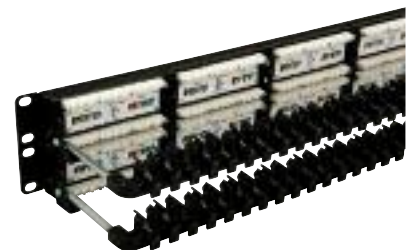
A device connected to a network.

## Outlet

A telecommunications outlet is a single-piece cable termination assembly (typically on the floor or in the wall), containing one or more modular telecom jacks. Such jacks might be RJ45, co-axial terminators, fiber optic couplers, etc. See also Device and Equipment.

## Patch Cord

A cable assembly with a plug on each end, used to make a cross connection.



## Patch Panel

A rack-mountable panel (usually 19" wide) containing connecting hardware. Used to patch between groups of cables and equipment.

## PBX

Private Branch Exchange. The premises telephone switch. Handles all telecom functions.

## PC

Physical contact.

## PVC

Polyvinyl Chloride. Material used in manufacture of a type of jacketing material.

## Performance

Compare with Compliance. A device can exhibit performance characteristics without being compliant to an industry standard.

## Plenum Cable

Cable specifically designed for use in a plenum (the space above a suspended ceiling used to circulate air back to the heating or cooling system in a building).

## PoE

Power Over Ethernet technology describes any system to transmit electrical power, along with data, to remote devices over standard twisted-pair cable in an Ethernet network. This technology is useful for powering IP telephones, wireless LAN access points, webcams, Ethernet hubs, computers, and other appliances where it would be inconvenient or infeasible to supply power separately.

## Polarity

A term describing positive and negative sides of an electrical circuit. Positive and negative wires must be wired correctly to support touchtone phones and video.

## POTS

Plain Old Telephone Service. The basic service supplying standard single line telephones, telephone lines and access to the public switched network with no added features such as call waiting or forwarding.

## Power Sum

Test method for four pair cable whereby the mathematical sum of pair-to-pair crosstalk from three pairs to one pair is measured.

## Premises Wiring System

The entire wiring system on the user's premises, especially the supporting wiring that connects the communications outlets to the network inter-face jack.

## Propagation Delay

The amount of time it takes a signal to travel through a cable or system.

## PS ELFEXT

See Power sum and ELFEXT.

## PS NEXT

See Power sum and NEXT.

## Punchdown

Refers to the use of an impact tool that enables installers to make efficient IDC style connections.



## Rack

Used to mount patch panels, enclosures and equipment in the telecom closet. Usually 19" wide by 7' high.

## RCDD®

The RCDD (Registered Communications Distribution Designer) title is a professional rating granted by BICSI (the Building Industry Consulting Service International). RCDDs have demonstrated a superior level of knowledge of the telecommunications wiring industry and associated disciplines.

## Return Loss

A measure of the similarity of the impedance of a transmission line and the impedance at its terminations. It is a ratio, expressed in decibels, of the power of the outgoing signal to the power of the signal reflected back.

## Riser

Backbone cabling connecting telecom closets situated vertically on separate floors.



## RJ (Registered Jack)

RJs are telephone and data jacks registered with the FCC. Numbers, like RJ-11, RJ-45, etc. are widely misused in the telecommunications

industry. A much more precise way to identify a jack is to specify the number of positions (width of opening) and number of conductors. Example: "8-position, 8-conductor jack" or "6-position, 4-conductor jack".

## RJ11

A wiring pattern for 6-position modular jacks. Used to refer to the jacks themselves.

## RJ21

A wiring pattern for a 25-pair connector.

## RJ45

A wiring pattern for 8-position modular jacks. Used to refer to the jacks themselves.

## RoHS (Restriction of Hazardous Substances)

European Directive 2002/95/EC requires specific limitations of six substances. Visit [www.allentel.com](http://www.allentel.com) for more details.

## SC (Stick and Click)

An SC fiber optic cable connector uses a push-pull connector similar to common audio and video plugs and sockets.

## Single Mode

Optical fiber with an 8.3-9.5 micron core size, optimized for LASER light sources which transmit only one mode or path of light. This eliminates modal dispersion, the main limitation to bandwidth. Typical in long-haul networks and outside plant applications due to increased bandwidth.

## ST (Stick and Turn)

A fiber-optic cable connector that uses a half-twist bayonet type of lock to keep the connection secure. ST connector was originated by AT&T Bell laboratories for use in premises wiring of buildings and other applications. It was the first de facto standard connector for most commercial wiring.

## Shielded Twisted Pair (STP) Cable

Shielded twisted pair cable is available in three different configurations: (1) Each pair of wires is individually shielded with foil, or (2) There is a foil or braid shield inside the jacket covering all wires (as a group), or (3) There is a shield around each individual pair, as well as around the entire group of wires (referred to as double shield twisted pair).



## Simplex

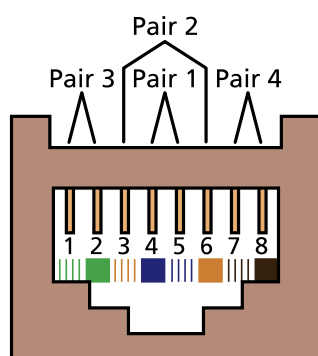
Transmission in only 1 direction.

## Structured Cabling

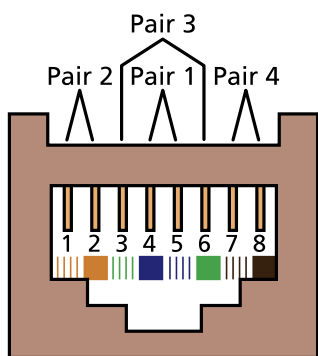
Cabling infrastructure for a building or campus. It consists of many smaller elements, all standardized according to a specification. These are called subsystems.

## Switch

A type of network hub. Provides higher bandwidth than shared hubs.



**T568A**



**T568B**

## T568A & T568B

The two standard wiring patterns for 8-position modular jacks.

## Telco

Short for telecommunications or Telephone Company.

## Telco Connector

Refers to a 25-pair connector.

## Telecom Closet

The area of the building that houses the termination of the horizontal cabling.

## Thicknet

IEEE 10BASE5. 10 Mbps Ethernet on thick co-axial cable.

## Thinnet

IEEE 10BASE2. 10 Mbps Ethernet on thin (RG58) co-axial cable.

## T1

A standard for digital transmission in North America. A digital transmission link with a capacity of 1.544 Mbps (1,544,000 bits per second.) T1 lines are used for connecting networks across remote distances. Bridges and routers are used to connect LANs over T1 networks.



## TIA

Telecommunications Industry Association. A trade organization of manufacturers which sets standards for use of its member companies. Formerly fell under the umbrella of EIA, (Electronic Industries Alliance). See [www.tiaonline.org](http://www.tiaonline.org).

## TIA/EIA

Telecommunications Industry Association / Electronic Industries Alliance.

## TERABYTE:

A unit for measuring computer memory or data storage. A unit of information equal to 1000 gigabytes.

## Tight buffer

Type of cable construction whereby each glass fiber optic cable is tightly buffered by a protective thermoplastic coating to a diameter of 900 microns. High tensile strength rating achieved, providing durability, ease of handling and ease of connectorization.

## Twisted Pair

Two insulated copper wires twisted around each other to reduce induction (thus interference) from one wire to the other. The twists, or lays, are varied in length to reduce the potential for signal interference between pairs. Several sets of twisted pair wires may be enclosed in a single cable. In cables greater than 25 pairs, the twisted pairs are grouped and bound together.

## UL

Underwriters Laboratories, Inc.

## UTP

Unshielded Twisted Pair. See Twisted Pair.

## VoIP

Voice over Internet Protocol allows voice calls to be encoded and transmitted over the data network. Benefits are cost-savings, the ease of managing just one network, and lots of new services including integrated messaging, voice emails, number portability, and phone account management via Internet.

## WAN

Wide Area Network- a public voice or data network that extends beyond the metropolitan area.

## Work Area

Where the users' communications equipment resides. The part of the cabling system between the outlet and the equipment.

## Workstation

The working area in a building required by one telecommunications user. Industry standards call for one voice drop and one data drop for each workstation. The voice drop is one 4-pair unshielded twisted pair (UTP). The data drop may be 100. 4-pair UTP, 150. 2-pair shielded twisted pair (STP), or optical fiber.

## Zone Cabling

An architectural concept which splits the horizontal cabling into two sections. Eliminates the need to replace the entire horizontal cable in adds, moves and changes.



## Numerical Order

25-3-CC Series Connectorized Cable	76	AT30M-XX Surface Mounting Box	40
25-3-CX Series Connectorized Cable	76	AT30VC6 Terminating Tool	35, 73
25-3-PC Series Connectorized Cable	76	AT31-XX Blank Module	34
25-3-PP Series Connectorized Cable	76	AT31FO-XX Fiber Optic Connector insert	34
25-3-PX Series Connectorized Cable	76	AT31ST-XX Fiber Adapter, ST Type	33
9702 Replacement Blades	81	AT32BB-XX Coax Connector	30
9703 Replacement Blades	81	AT32F-XX Coax Connector	30
AP50 Dial	110	AT32LC-XX Fiber Adapter	31
AP1816 Dial	110	AT32MTRJ-XX Fiber Adapter	31
AT3FM-XX Furniture Faceplate	40	AT32SC-XX Fiber Adapter	31
AT4FM Furniture Faceplate	40	AT32SCD-XX Fiber Adapter Cover Door	33
AT4FM-VERT-XX Furniture Faceplate Vertical	40	AT32RCA-110-XX RCA Connector	30
AT4CLC Bulk Line Cordage	81	AT32RCA-XX RCA Coupler	34
AT4CRB Cat 3 Bulk Line Cordage	78	AT32RCA-R/B RCA Connectors	34
AT4X4 Modular Plug	80	AT32VD-XX Video Connector	30
AT4X4SC-2224 Modular Plug	80	AT33-6-XX Housing	39
AT4X6 Modular Plug	80	AT33D-XX Housing	39
AT4X6SC-2224 Modular Plug	80	AT33S-XX Housing	39
AT6-4 Jack Insert	49	AT34-XX Cat 3 Modular Jack Module	28
AT6CLC Bulk Line Cordage	81	AT36-XX Cat 3 Modular Jack Module	28
AT6CRB Cat 3 Bulk Line Cordage	78	AT38-XX Cat 3 Modular Jack Module	28
AT6X6 Modular Plug	80	AT36EZ-XX Cat 3 E-Z Jack Module	27
AT6X6DEC Modular Plug	80	AT38EZ-XX Cat 3 E-Z Jack Module	27
AT6X6RCS-2224 Modular Plug	80	AT36EZ-AGL-XX Cat 3 Angled E-Z Jack	28
AT6X6SC-2224 Modular Plug	80	AT38EZ-AGL-XX Cat 3 Angled E-Z Jack	28
AT8-6 Jack Insert	49	AT42A4 Connecting Block	46
AT8CLC Bulk Line Cordage	81	AT42A6 Connecting Block	46
AT8CRB Cat 3 Bulk Line Cordage	78	AT43B Mounting Bracket	41
AT8X8 Modular Plug	80	AT44-XX Housing	39
AT8X8K Modular Plug	80	AT45 Series Angled Faceplates	37
AT8X8RC Modular Plug	80	AT45MB-XX Double Gang Mounting Box	40
AT8X8RCS-24 Modular Plug	80	AT45S-4 Single Gang Faceplate, 4 port	37
AT8X8SC-2224 Modular Plug	80	AT55-XX Category 5e Jacks	8, 26
AT10A Crimp Tool	81	AT55B-PNL Series Category 5e Patch Panel	10, 60
AT10A-4 Crimp Tool	81	AT55B-PNL-AGL 24 & 48	10, 60
AT10A-6 Crimp Tool	81	AT55B-6P Category 5e Patch Box	11, 62
AT10A-8 Crimp Tool	81	AT55B-12P Category 5e Patch Box	11, 62
AT10ADEC Crimp Tool	81	AT55B-12PT Category 5e Patch Panel	10, 61
AT10G-XX CAT 6A Jack Module	19, 23	AT55BP Series Blank Panel	63
AT10G-SH-EZ Cat 6A Shielded Jack Module	19, 23	AT55C-XX Coupler	9, 27
AT10GC-SH Cat 6A Shielded Coupler	19, 23	AT55CSB Cable Support Bar	64
AT10GPNL-AGL-24	20, 59	AT55HM Hinged Wall Bracket	64
AT10GPNL-U24	20, 59	AT55MR Metal Ring Series	63
AT10GPNL-12	59	AT55SH-09 Category 5e Shielded Jack	9, 27
AT10GPNL-24	59	AT55WB Cable Support Bar	63
AT10X10 Modular Plug	80	AT55WMP Series Wire Management Panel	63
AT12XX-4C Category 3 Data Cord	78	AT60 Series Designer Face Plates	39
AT12XX-6C Category 3 Data Cord	78	AT62 Series 2 Port Housing	39
AT12XX-NK Category 3 Data Cord	78	AT63 Series 3 Port Housing	39
AT24-XX Cat 3 Compact Jack	28	AT65-XX High Density Jack	8, 26
AT26-XX Cat 3 Compact Jack	28	AT65EZ-XX Cat 5e E-Z Jack Module	8, 25
AT28-XX Cat 3 Compact Jack	28	AT65EZ-AGL-XX Cat 5e Angled E-Z Jack Module	8, 25
AT30 Series Faceplates	37	AT65SH Category 5e Shielded Jack	9, 26
AT30D Series Faceplates	37	AT65C-SH Cat 5e Shielded Coupler	27

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AT65SH-EZ Category 5e E-Z Shielded Jack Module	9, 26	AT203-8 "T" Adapter	123
AT66 Impact Tool	35, 73	AT203-TBT Adapter	123
AT66-6P Category 6 Patch Box Keys	17, 61	AT206-12 Modular Extension Cord	79
AT66-12P Category 6 Patch Box	17, 61	AT206-25 Modular Extension Cord	79
AT66-12PT Category 6 Patch Panel	16, 61	AT207-12 Modular Extension Cord	79
AT66BLD Replacement 66 Reversible Blade	35, 73	AT207-25 Modular Extension Cord	79
AT66C-XX Category 6 Coupler	15, 25	AT210 Series In-Line Couplers	121
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AT66EZ-XX E-Z Jack Module	14	AT214B6 Surface Jack	46
AT66EZ-AGL-XX Angled E-Z Jack Module	14	AT214C4 Surface Jack Cover	46
AT66-PNL Series Category 6 Patch Panels	16, 59-60	AT214C6 Surface Jack Cover	46
AT66 Series Category 6 Jacks	14, 24	AT216 Series Flush Wall Jacks	41-42
AT66SH-EZ Category 6 EZ Shielded Jack	15, 24	AT216SM Series Flush Smooth Wall Jacks	42
AT70 Series Face Plates with I.D. Windows	37	AT217 Series Flush Duplex Wall Jacks	43
AT70SS Series SS Faceplates with ID Windows	38	AT217SM Series Flush Duplex Smooth Wall Jacks	42
AT71 Dial	110	AT218 Round Flush Mount Wall Jack	43
AT90 Mounting Bracket	40	AT219-4 Wall Telephone Jack	50
AT92 Mounting Bracket	40	AT219-4-15 Wall Telephone Jack	50
AT93 Mounting Bracket	40	AT219-6 Wall Telephone Jack	50
AT94 Mounting Bracket	40	AT221 Spacer	44
AT100 Filter	121	AT229 Wall Telephone Jack	51
AT103-6-52 Modular Surface Jack	44	AT259 Series Modular Adapters	120
AT103A8-XX Modular Surface Jack	44	AT267 Series Phone/Modem Adapters	124
AT103D8-52 Modular Surface Jack	44	AT268 Flush Duplex Wall Jack	43
AT104-6-52 Modular Duplex Surface Jack	45	AT304B "T" Adapter	123
AT104A8-XX Modular Duplex Surface Jack	45	AT307 1/4 Modular Line Cord	79
AT104B8 Modular Duplex Surface Jack	45	AT314 1/4 Modular Line Cord	79
AT105AF Series Flush Mount Jack Outlet	43	AT316 Series Flush IDC Jack	41
AT105P Outlet Wall Plates	44	AT317 Series Duplex Flush IDC Plates	41
AT106-6-52 Flush Mount Duplex Jack Outlet	44	AT325 1/4 Modular Line Cord	79
AT106AFD Flush Mount Duplex Jack Outlet	44	AT327 Double Plug	115
AT106BFD Flush Mount Duplex Jack Outlet	44	AT330-4 Modular Coupler	122
AT106H-XX Versatap Jack Housing	39	AT400E Modular Adapter	122
AT106P-XX Duplex Wall Plates	39	AT404B Telephone Jack	121
AT107BFD Series Flush Mount Duplex Jack Outlet	44	AT407 Modular Line Cord	79
AT108B-52 Modular Duplex Surface Jack	45	AT414 Modular Line Cord	79
AT110 110 IDC Impact Tool	35, 73	AT425 Modular Line Cord	79
AT110-5P Termination Tool	73	AT444 Duplex Surface Jack	48
AT110-5PRH Replacement Head	73	AT450A Bridging Adapter	118
AT110-66 Mini-Termination Tool	35, 73	AT450-SM Series Bridging Adapters	118
AT110BLD Replacement Blade	35, 73	AT464 "T" Adapter	123
AT110EZ E-Z Tool	35	AT468-4 Modular Surface Jack	45
AT116-4P Termination Tool	73	AT468-4-15 Modular Surface Jack	45
AT116-4PRH Replacement Head	73	AT468-4-EI Modular Surface Jack	45
AT125-SM Bridging Adapter	118	AT468-6 Modular Surface Jack	45
AT132 Multimedia Insert Series	28-30	AT468-6-15 Modular Surface Jack	45
AT150 Modular Adapter	119	AT468-6-EI Modular Surface Jack	45
AT153AM Series Adapter	120	AT468-6DEC Surface Mount DEC Jack	45
AT153K-M6 Adapter Kit	120	AT468-8 Modular Surface Jack	45
AT153K-M8 Adapter Kit	120	AT468-8-15 Modular Surface Jack	45
AT173 Adapter	122	AT523A4 Modular Jack	125
AT173A Adapter	122	AT523A6 Modular Jack	125
AT202 Series "T" Adapter	123	AT546 Crimping Tool	81

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AT568-4-XX Surface ID Jack	.41	AT1007-NK or K Modular Line Cord	.79
AT568-6-XX Surface ID Jack	.41	AT1014-NK or K Modular Line Cord	.79
AT607 Modular Line Cord	.79	AT1025-NK or K Modular Line Cord	.79
AT614 Modular Line Cord	.79	AT1029-4F Combination Wall Jack	.48
AT616 Series Modular Jack	.125	AT1029-4F-15 Combination Wall Jack	.48
AT623D-4 Modular Jack	.125	AT1029-FF Flush Mount Duplex Wall Jack	.48
AT623D-6 Modular Jack	.125	AT1031-F Flush T.V. Wall Jack	.48
AT623P-4 Modular Jack	.125	AT1031-F-15 Flush T.V. Wall Jack	.48
AT623P-6 Modular Jack	.125	AT1064G-WR Outdoor Weather Resistant Enclosure	.47
AT625 Modular Line Cord	.79	AT1200 Series Category 3 Token Ring Cords	.78
AT625A3-4 Modular Surface Jack	.45	AT1500-XX Series Category 5e Patch Cords	.11, 76
AT625A3-6 Modular Surface Jack	.45	AT1500-REC Series Cat 5e Cross-Over Cables	.78
AT625A3-8 Modular Surface Jack	.45	AT1600-XX Series Category 6 Patch Cords	.15, 75
AT625A3-8SB Modular Surface Jack	.45	AT1600-REC Series Cat 6 Cross-Over Cables	.78
AT625B-4 Flush Wall Jack	.42	AT1813 Series Handset Hangers	.109
AT625F-4 Flush Jack	.41	AT1900 Handset Hanger	.109
AT625F-6 Flush Jack	.41	AT1977 Handset Hanger	.109
AT625MB Mounting Box	.40	AT1984 Hookswitch Assembly	.109
AT625MBD-XX Deep Mounting Box	.40	AT2412F Adapter	.119
AT625WP Outdoor Surface Jack	.47	AT2412M Adapter	.119
AT630A-4 Wall Telephone Jack	.50	AT2608F Adapter	.119
AT630A-6 Wall Telephone Jack	.50	AT2608M Adapter	.119
AT630ABC-4 Wall Telephone Jack	.50	AT2806F Adapter	.119
AT630ABC-4-15 Wall Telephone Jack	.50	AT2806M Adapter	.119
AT630ABC-6 Wall Telephone Jack	.50	AT2812FTBT Adapter	.119
AT630AIP-4 Wall Telephone Jack	.50	AT2812MTBT Adapter	.119
AT630AIP-6 Wall Telephone Jack	.50	AT8974 Hanger	.109
AT630AQB-4 Wall Telephone Jack	.49	AT10784A Series Hookswitch Assemblies	.109
AT630AQB-6 Wall Telephone Jack	.49	AT10806 Handset Hanger	.109
AT630B-4 Wall Telephone Jack	.49	AT19252-L1 Bridging Adapter	.119
AT630B-6 Wall Telephone Jack	.49	AT19252-L2 Bridging Adapter	.119
AT630B-8 Wall Telephone Jack	.49	AT19252-L3 Bridging Adapter	.119
AT630BBC-4 Wall Telephone Jack	.51	AT19252-L4 Bridging Adapter	.119
AT630BBC-6 Wall Telephone Jack	.51	AT21541 Hookswitch Assemblies	.109
AT631A Wall Telephone Jack	.51	AT540680 Handset Hanger	.109
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AT635C1 Voice Connecting Block	.47	ATBK9, ATBK9-2 Stainless Steel Face Plate	.129
AT635C2 Voice Connecting Block	.47	ATBK15, ATBK15-2 Stainless Steel Face Plate	.129
AT635C3 Voice Connecting Block	.47	ATBK25 Stainless Steel Face Plate	.129
AT635CX Voice Connecting Block	.47	ATBK-CX Stainless Steel Face Plate	.84
AT635WP Outdoor Surface Jack	.47	ATBK-F Stainless Steel Face Plate	.84
AT641 Modular Jack	.125	ATBK-F-81 Stainless Steel Face Plate e/w F-81 Connector	.84
AT647 Modular Jack	.125	ATBKF-VT Series Stainless Steel Face Plate	.38
AT666 Duplex Surface Jack	.48	ATBKDV-4 4 Port Stainless Steel Face Plate	.38
AT680 Crimp Tool	.81	ATBKDV-6 6 Port Stainless Steel Face Plate	.38
AT682 Crimp Tool	.81	ATBKDV-8 8 Port Stainless Steel Face Plate	.38
AT697B-NK Flush Wall Jack	.49	ATBK-VolP VoIP Wall Faceplate	.51
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AT742A Wire Junction Box	.46	ATBK-VOIP-PL-XX VoIP Plastic Faceplate	.51
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ATD9MCK Connector Kit	127	ATR-A4 4 Room Audio Distribution Module	55
ATD9MCKS Connector Kit	128	ATR-A6 6 Room Audio Distribution Module	55
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ATD15FCKS Connector Kit	128	ATR-5PS 5 Port Fast Ethernet Switch	55
ATD15MCK Connector Kit	127	ATRC-9SC Compact MDU Enclosure	56
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ATDB9FS-8 Shielded Adapter Kit	127	ATRC-1X4BT Bridge 6 Lines to 4 Locations	56
ATDB9M-6 or -8 Adapter Kit	127	ATRC-4X6EB Expansion Board Bridge 4 Phone Lines to 6 Locations	56
ATDB9M-DEC Adapter Kit	127	ATRC-1X6BT-SP Bridge 4 Lines to 6 Locations	56
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ATMT25MF RS232 Mini-Tester	129	ATRA6M-DEC RS232 Adapter Kit	130
ATNM25FF Null Modem	130	ATRA6M RS232 Adapter Kit	130
ATNM25MF Null Modem	130	ATRA8F RS232 Adapter Kit	130
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ATPNL-HD-24 High Density Patch Panels	62	ATRC Series Compact MDU	56
ATPNL-HD-48 High Density Patch Panels	62	ATRM Series Mini MDU	57
ATPNL-HDSH-24 High Density Shielded Patch Panels	62	ATSTEO-35-XX Stereo F to F Coupler 3.5mm	33
ATR-14HSC 28" MDU Enclosure with Hinged Door	53	ATSV-XX S-Video Coupler	31
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ATR-28HSC 28" MDU Enclosure with Hinged Door	53	ATUSB2-BF-BF-XX / USB 2.0 Coupler	32
ATR-28SC 28" MDU Enclosure	53	ATUSB2-AF-BF-XX / USB 2.0 Coupler	32
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