

**OmniReach<sup>®</sup> FTTX Solutions**  
**LSA-PLUS<sup>®</sup> Connectivity**





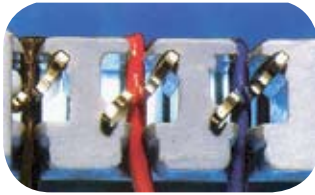
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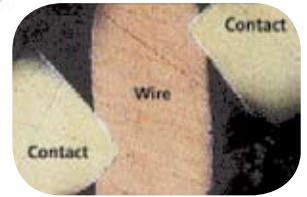
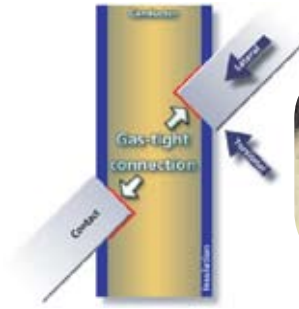
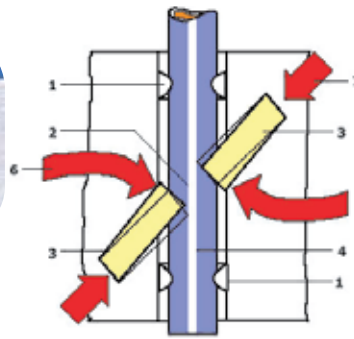


# The LSA-PLUS® Contact

## Effects of the LSA-PLUS Contact on Wire



Cut-Away View of the 45-Degree Contacts



Micrograph of the 45-Degree Insulation Displacement Contact

## Principles of the LSA-PLUS Contact

The LSA-PLUS contact functions in the same basic manner irrespective of the type of block in which it is inserted.

The plastic insulated copper wire or jumper (4) is inserted into the contact slot (2) and terminated between the 45-degree contacts (3) with the LSA-PLUS insertion tool. Through this action, the contacts twist in an axial movement and at the same time cut through the insulation of the wire and push the insulation material to both sides of the contact.

Through material displacement and the subsequent torsional and restoring forces (6,7) of the contact tags, two permanent gas-tight surface areas are formed. This connection prevents any undo movement in the contact area.

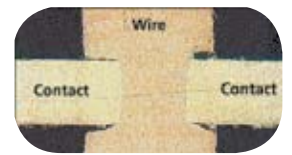
For additional protection of the contact area, plastic clamping ribs are provided above and below the connection area (1), between which the insulation of the wire is firmly gripped thus preventing any movement of the wire in the contact area.

The conductor is notched on both sides in a staggered pattern without reducing the conductor cross-section. The constant torsion and return force pressure of the contact jaws creates a durable, gas-tight contact surfaces. Attack by corrosion is impossible at these points.

The four wedge-shaped gaps are clearly shown. These do not contribute towards the contact and form a surface for the accumulation of and attack by corroding substances.

The KRONE® Group, now part of ADC, was the originator of the silver-plated 45-degree Insulation Displacement Contact (IDC) technology providing a far more secure and corrosion resistant connection than all other termination techniques. Silver provides a clear advantage over traditional tin-plated contacts, offering a corrosion-free connection over extended periods of time. This contact design also enables ADC connectors to consistently outperform the competition in both quality and reliability. Even under the most hostile environmental conditions—extreme heat, cold or moisture. ADC contacts maintain accurate, reliable voice and data throughput.

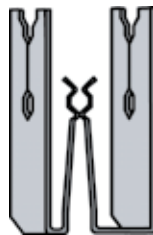
Effects of other traditional contacts on wire



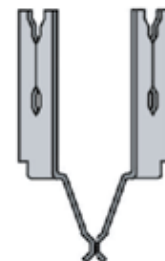
Micrograph of a Conventional 90-Degree Insulation Displacement Contact



Series 2 Contact



HighBand® Contact



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# Design Ingenuity and Versatility

## LSA-PLUS® Contact Technical Data

Termination type:	IDC
Wire insertion force:	9 to 17 pounds
Wire pull-out force:	2.4 pounds
Contact resistance:	Approx. 1 microhms
Insulation resistance:	> 5 x 10 <sup>4</sup> microhms
Contact material:	Brass alloy
Contact plating:	Silver
Design life:	> 30 years



Series 2 10-Pair Block

ADC disconnect contacts use a normally closed, two-piece contact, enabling a path from the cable side to the jumper side of the block and providing a convenient disconnect feature.

### Series 2 Contact

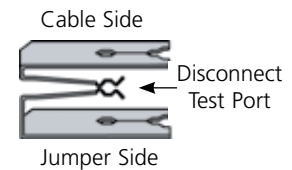
Number of conductors/reterminations:

2 conductors per contact/ > 200 reterminations	26 AWG
2 conductors per contact/ > 200 reterminations	24 AWG
2 conductors per contact/ > 200 reterminations	22 AWG
1 conductor per contact/ > 200 reterminations	20 AWG

Transmission performance:  
NEXT @ 100 MHz (Patched): Category 5  
-55 dB



Series 2 Contact



Series 2 10-Pair Block

### HighBand® Contact

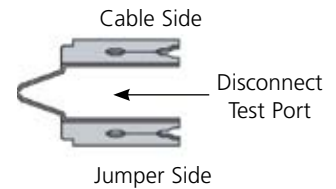
Number of conductors/reterminations:

2 conductors per contact/ > 200 reterminations	26 AWG
2 conductors per contact/ > 200 reterminations	24 AWG
1 conductor per contact/ > 200 reterminations	22 AWG

Transmission performance:  
NEXT @ 100 MHz (Patched): Category 5e  
-47.9 dB



HighBand Contact



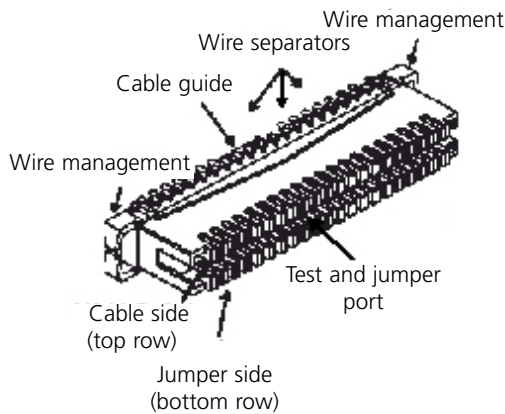
HighBand 10-Pair Block



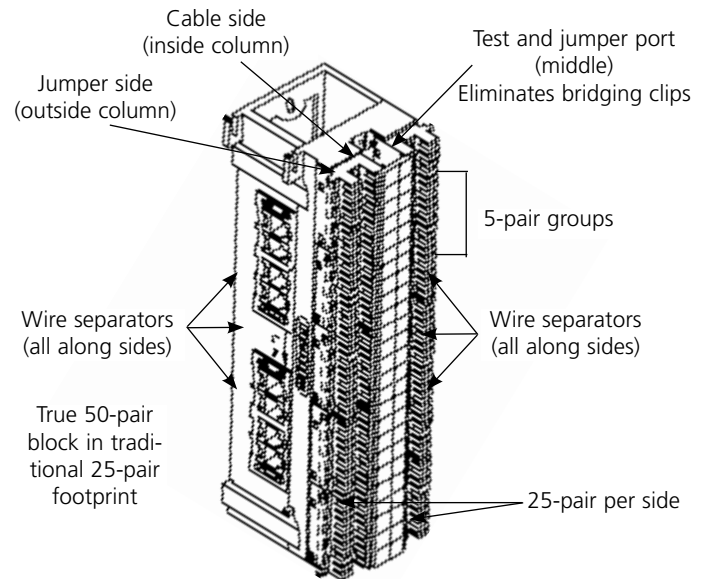
# Design Ingenuity and Versatility

## Block Features

All Blocks have a "Quiet Front"



Series 2 and HighBand®10-Pair Blocks



50-pair block  
25- and 50-pair blocks mount directly on the wall or on 89D brackets

## Test Port Features

By inserting a disconnect plug into a test port, the circuit may be either temporarily or permanently disconnected without disturbing the cable side or jumper wires.



HighBand Disconnect Plug

'Monitor only' is facilitated by the insertion of a monitor plug, a bridging test cord or look-both-ways test cord (with test leads T and T1 bridged and R and R1 bridged) into a test port. This allows monitoring of the circuit without disturbing the cable side or jumper wires, accelerating fault isolation.



Series 2 Monitor Plug



HighBand Monitor Plug



HighBand Bridging (Monitor) Test Cord

Testing and monitoring is facilitated by the insertion of a look-both-ways test cord into a test port. This allows the independent testing of each side of the circuit (look-both-ways testing), without disturbing the cable side or jumper wires, greatly accelerating fault isolation.



HighBand Look-Both-Ways Test Cord



Series 2 1-Pair Patch Cord

Patching is facilitated by the insertion of a patch cord into the test port. This allows the cable side circuit to be redirected to another location without disturbing the cable side or jumper wires. This provides patch panel capability with no additional space requirements or cost.

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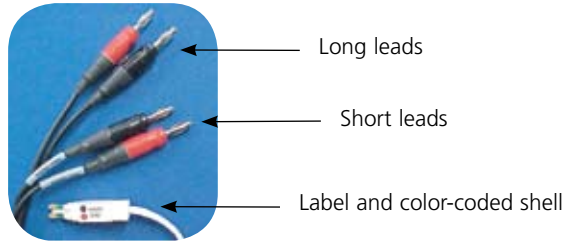


# Look-Both-Ways Testing

## Using the Look-Both-Ways Test Cord

The one-pair look-both-ways test cord provides the ability to isolate the cable side from jumper side of a circuit without removing any wires. The test cord comes equipped with a 4-pole test plug at one end and four banana plugs or alligator clips attached to the leads.

The LBW test plug is labeled "LONG LEAD" and "SHORT LEAD" and is color coded to indicate polarity.



Monitor mode - With the banana plugs connected, black to black and red to red, you can monitor the circuit without lifting any wires or interrupting the circuit.



Look-both-ways mode - Disconnecting the banana plugs opens the circuit and allows you to test both sides independently, or "look-both-ways" without lifting any wires.

Top row is the permanent "cable side"

Test Ports in 8- or 10-Pair Blocks

A test port for each pair is centered between the rows

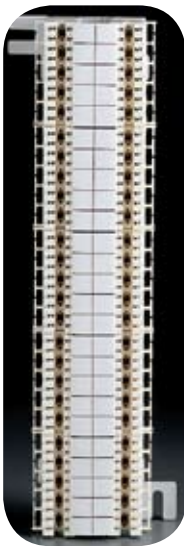
Bottom row is the cross-connect or jumper side



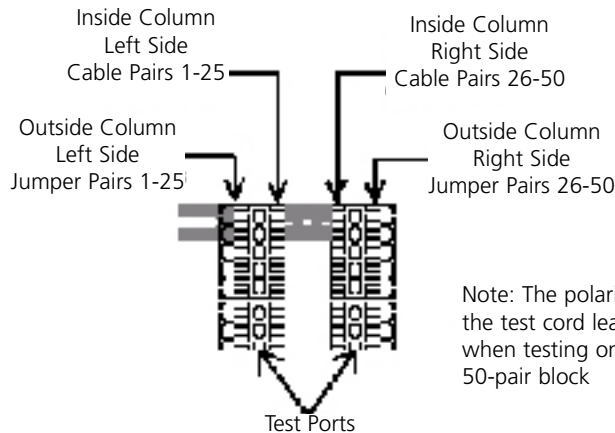
Note that with blocks mounted horizontally, ie: 8- or 10-pair blocks, the long leads correspond to the "Cable Side" (top row) and the short leads correspond to the Jumper Side (bottom row). black = Tip and red = Ring



Test Ports in 25- or 50-Pair Blocks



25- and 50-pair blocks mount vertically. The inside columns are reserved for permanent or "Cable Side" wire terminations. The outside columns are reserved for jumper wire terminations.



Note: The polarity of the test cord leads when testing on a 50-pair block





# Using The LSA-PLUS® Insertion Tool

## Fast and Clean Work

The versatile LSA-PLUS Insertion Tool terminates and trims wires with one low impact insertion. It's the only tool you'll need to move, add or change connections.

The universal scissors cut a variety of cable types, including 20 AWG through 26 AWG, Type 1, and other foam insulated conductors.



### Insertion sensor

Ensures the conductor is fully inserted into the block contacts before allowing excess wire to be cut off.

### Remove blocks

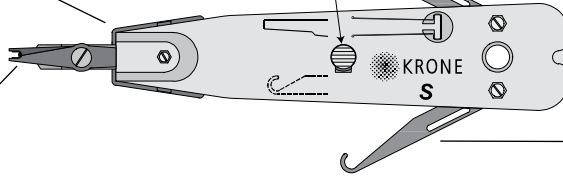
Open the convenient blade on the LSA-PLUS insertion tool to easily remove blocks from back-mount frames.

### Inhibitor lock

Prevents the automatic trimming of excess wire, to enable daisy-chaining.

### Terminate wires

The LSA-PLUS Insertion Tool seats the wire in the IDC and trims off the excess wire in one smooth operation. The low impact design performs the operation with a minimal insertion force.



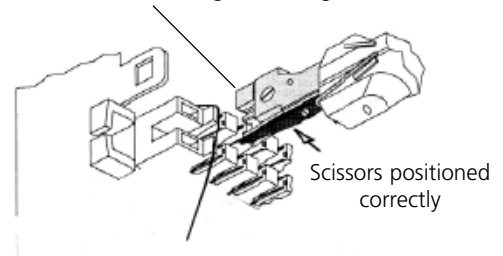
### Remove wires

Open the handy hook on the LSA-PLUS Insertion Tool to easily grab and remove wires for changes.



By design, the scissors will always be positioned correctly, cutting only the excess wire.

The "block" on the end of the tool prevents upside down (reversed) insertion of the tool which would result in cutting the wrong side of the wire.



A correct connection is signalled by an audible "click" from the insertion tool.



# xDSL Delivery Solutions

## Overview

ADC's patented xDSL delivery solution utilizes our Series 2 blocks. This platform is scalable, flexible and streamlines the process of delivering xDSL service. The solution can be cabinet mounted as with the (NCX-1000) xDSL service delivery cabinet, or the individual block assemblies can be utilized in a structure such as a CEV or mini hut with 23-inch rack mounted rails.

The NCX-1000 is a passive fiber-to-the node (FTTN) service delivery cabinet that is easily placed in the feeder or distribution plant to support any re-sectionalizing or broadband overbuild application. It is typically installed with an adjunct DSLAM cabinet or remote terminal that houses a broadband DSLAM. The compact cabinet is designed for FTTN applications where re-sectionalizing the network requires either a new cross connect interface with a 1:2 ratio of feeder to distribution pairs or for 1:1 ratios where ADC's patented Distribution Intercept (DI) service delivery solution is used. The NCX-1000 family of cabinets supports up to 900 feeder circuits and 1800 distribution circuits with 432 DSLAM input and output ports in a non-protected FDI configuration. Options for non-protected and protected DSLAM circuits utilizing ComProtect® high performance protection are available.



xDSL Interconnect Cabinet

## xDSL Delivery Blocks for Use in Structure

The Series 2 10-pair switching (brown-XDSL) and disconnect (white-PG) can be used with xDSL remote solutions that are installed in structures. Blocks can be ordered in multiples of 25, 50, 100, 200, and 300 pairs with preterminated cabling or in boxes of (10) 10-pair blocks (100-pair) for field terminating. A jumper management system (JMS) bracket is recommended for all installations.

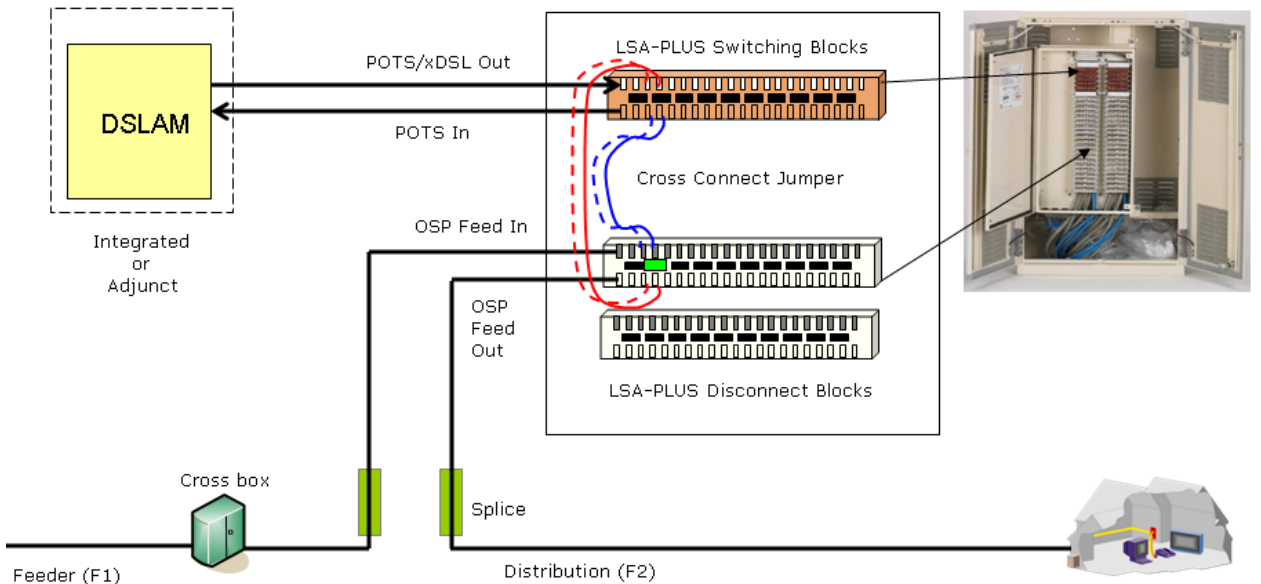


Jumper Management Brackets

The xDSL solution may be used anywhere xDSL is to be deployed, including electronic enclosures with the optional SAI, cross boxes, CEV's and huts.

Please contact your ADC Customer Service Representative at 800.366.3891 for a complete training document.

## Distribution Intercept xDSL Service Delivery



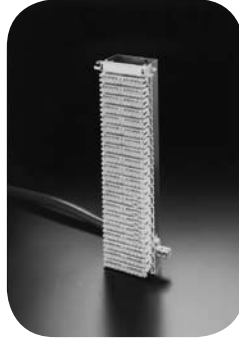




# xDSL Delivery Solutions

## Factory Preterminated PG/CP (PairGain/Cable Pair) Blocks

All the blocks below are factory preterminated with a 10-foot stub and have a back exit wired for PairGain and cable pair.



Typical Factory Preterminated PG/CP Block with 10-Foot Stub, Rear Exit (200-Pair Shown)

### Ordering Information

Description	Dimensions (HxWxD)	Catalog Number
300-pair PG/CP block, 25 mm pitch	27 1/8" x 4 7/8" x 3 11/16"	6637 1 315-00/10
200-pair PG/CP block, 25 mm pitch	20 11/16" x 4 7/8" x 3 11/16"	6637 1 215-00/10
100-pair PG/CP block, 25 mm pitch	10 13/16" x 4 7/8" x 3 11/16"	6637 1 115-00/10
50-pair PG/CP block, 25 mm pitch	5 5/16" x 4 7/8" x 3 11/16"	6637 1 015-00/10
25-pair PG/CP block, 25 mm pitch	4 5/16" x 4 7/8" x 3 11/16"	6637 1 015-25/10

Note: Use ONLY 24AWG jumper wire for all xDSL terminations.



# xDSL Delivery Solutions

## Factory Preterminated xDSL IN/OUT Blocks

All the blocks below are factory preterminated with various stub lengths and have a back exit wired for xDSL IN/OUT (25 mm pitch).



Typical Factory Preterminated xDSL IN/OUT Block with 10-Foot Stubs, Rear Exit (100-Pair Shown with JMS Bracket Installed)

### Ordering Information

Description	Dimensions (HxWxD)	Catalog Number
<b>200-pair xDSL IN/OUT Block</b>		
With 10' stub	20 11/16" x 4 7/8" x 3 11/16"	6637 1 205-10/10
With 25' stub	20 11/16" x 4 7/8" x 3 11/16"	6637 1 205-10/25
With 50' stub	20 11/16" x 4 7/8" x 3 11/16"	6637 1 205-10/50
<b>100-pair xDSL IN/OUT Block</b>		
With 10' stub	10 13/16" x 4 7/8" x 3 11/16"	6637 1 105-10/10
With 25' stub	10 13/16" x 4 7/8" x 3 11/16"	6637 1 105-10/25
With 50' stub	10 13/16" x 4 7/8" x 3 11/16"	6637 1 105-10/50
<b>50-pair xDSL IN/OUT Block</b>		
With 10' stub	5 5/16" x 4 7/8" x 3 11/16"	6637 1 005-10/10
With 25' stub	5 5/16" x 4 7/8" x 3 11/16"	6637 1 005-10/25
With 50' stub	5 5/16" x 4 7/8" x 3 11/16"	6637 1 005-10/50
<b>25-pair xDSL IN/OUT Block</b>		
With 10' stub	4 5/16" x 4 7/8" x 3 11/16"	6637 1 005-25/10

Note: Use ONLY 24AWG jumper wire for all xDSL terminations.



# xDSL Delivery Solutions

## Delivery Solutions Kits for Structures

Factory configured kits have been created for use in structures. These kits come with 307 mounting adapters, JMS dual jumper rings, xDSL blocks, and are available with various stub lengths.



Jumper Management Brackets

### Ordering Information

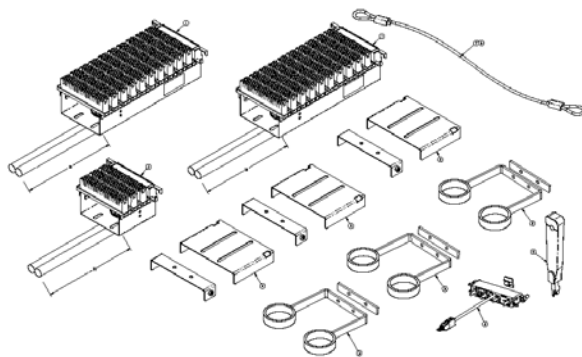
Description	Catalog Number
<b>216 Circuit Kits</b>	
With 10' stubs	6638 1 216-00/10
With 25' stubs	6638 1 216-00/25
With 50' stubs	6638 1 216-00/50
<b>432 Circuit Kits</b>	
With 10' stubs	6638 1 432-00/10
With 25' stubs	6638 1 432-00/25
With 50' stubs	6638 1 432-00/50

For MESA® 2, 4, and 6 Cabinets

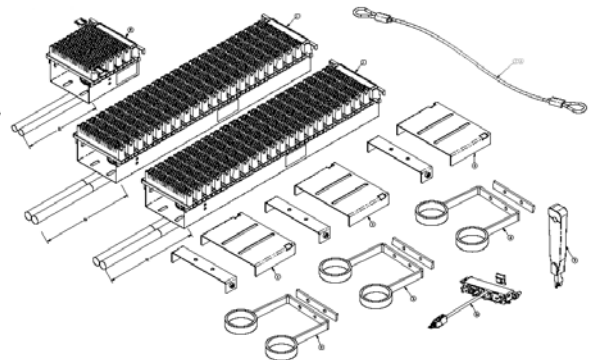
### Ordering Information

Description	Catalog Number
<b>216 Circuit Kits</b>	
With 10' stubs	6637 1 216-10/10

MESA® is a registered trademark of Emerson Network Power



216 Kit



432 Kit

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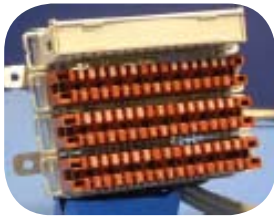
# xDSL Delivery Solutions

## 24-Port Delivery Blocks

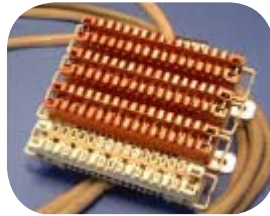
Factory preterminated xDSL delivery blocks sized to support 24-port DSLAMs. These blocks are available in several mounting configurations depending on application—customer premise, cabinet, or rack-mount.

### Ordering Information

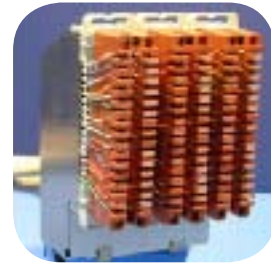
Description	Catalog Number
<b>24-Port Wall- or Rack-Mount Block</b> 24-port block wired with a 6' stub and equipped with 710 connectors	6635 1 651-04/15
<b>24-port Wall- or Rack-Mount Block with DS1 Support</b> 24-port block wired with a 6' stub and equipped with 710 connectors with DS1 support	6635 1 653-04/15
<b>24-Port Block for 800-/900-Type Mounting</b> 24-port block wired with a 6' stub and equipped with 710 connectors, fits in 800/900-type mounting.	6635 1 601-03/15
<b>24-Port Block for 89D Bracket Mounting with Orange Cover.</b> 24-port block wired with a 6' stub and equipped with 710 connectors, 89D mounting, used where existing M66-150 blocks already exist	6639 1 056-03/15



24-Port Wall- or Rack- Mount Block



24-Port Wall- or Rack-Mount Block with DS1 Support



24-port Block for 800/900-Type Mounting



24-Port Block for 89D Bracket- Mount with Orange Cover

Note: Use ONLY 24AWG jumper wire for all xDSL terminations.



# xDSL Connectivity

## Miscellaneous and Mounting Hardware

### Miscellaneous

#### Ordering Information

Description	Dimensions (HxWxD)	Catalog Number
Site mounted look-both-ways test jack, 4'	1.63" x 5.81" x 3.69"	6645 2 125-04
Site mounted look-both-ways test jack, 7'	1.63" x 5.81" x 3.69"	6645 2 125-07
Site mounted look-both-ways test jack, 10'	1.63" x 5.81" x 3.69"	6645 2 125-10



One-Pair Site-Mounted Test Cord

### Mounting Hardware for Wall- or Rack-Mount

#### Ordering Information

Description	Dimensions (HxWxD)	Catalog Number
23" support bar, 2" leg	1" x 24" x 2"	6652 2 012-45
23" jumper ring bar, 2" leg	4.5" x 24" x 7.38"	6652 2 006-08



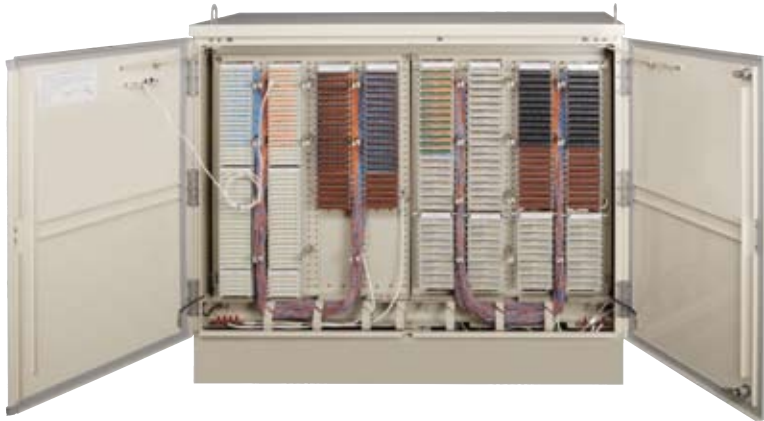
23" Wide Support Bar, 3-Position

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# OmniReach® NCX-1000

Large Cabinet for FTTN Broadband Service Delivery



The NCX-1000 is a passive fiber-to-the node (FTTN) service delivery cabinet that is easily placed in the feeder or distribution plant to support any re-sectioning or broadband overbuild application. It is typically installed with an adjunct DSLAM cabinet or remote terminal that houses a broadband DSLAM. The compact cabinet is designed for FTTN applications where re-sectioning the network requires either a new cross-connect interface with a 1:2 ratio of feeder to distribution pairs or for 1:1 ratios where ADC's patented Distribution Intercept (DI) service delivery solution is used. The NCX-1000 family of cabinets supports up to 900 feeder circuits and 1800 distribution circuits with 432 DSLAM input and output ports in a non-protected FDI configuration. Options for non-protected and protected DSLAM circuits utilizing ComProtect® high performance protection are available.

ADC's OmniReach® FTTX Solutions are the industry's first infrastructure solutions designed from the ground up to meet the unique requirements of FTTX networks. Designed for operational efficiency and scalability, OmniReach solutions simplify FTTX network installation, maintenance and management from the central office/headend to the outside plant.

## Features

- Drop down panels offer easy access to OSP cable stubs for splicing into DSLAMs and network
- FDI (1:2) and patented Distribution Intercept (DI) (1:1) configurations available
- Works with existing F1/F2 cross box or can replace it
- Able to groom all existing xDSL shelves into a single format and provide cross-connect capability in addition to pair-bonding
- Supports in-cabinet circuit protection
- Meets GR-487 requirements



# OmniReach® NCX-1000

## Large Cabinet for FTTN Broadband Service Delivery

### Distribution Intercept

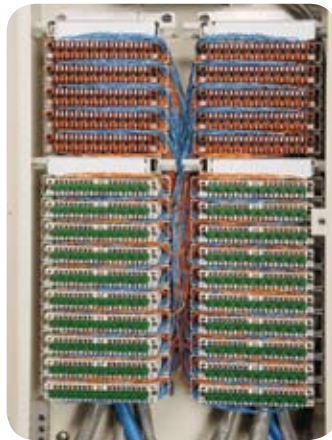
The heart of the NCX-1000 is ADC's patented Distribution Intercept (DI) cross-connect using LSA-PLUS® Series 2 IDC connectivity.

- Brown Series 2 switching blocks route POTS into the DSLAM and present the combined DSLAM output of POTS/xDSL signals.
- White Series 2 disconnect blocks provide OSP input and output terminations.

Once the DI is spliced onto either feeder or distribution outside plant cable, broadband service activation occurs with a simple 2 pair jumper between brown and white blocks and insertion of a green activation plug. Existing voice service is immediately available upon splicing the DI onto outside plant cable due to normally closed contacts on Series 2 white blocks.

Alternatively, the NCX-1000 supports a feeder distribution interconnect (FDI) option with separate Series 2 blocks for feeder and distribution circuits. In this 1:2 configuration, broadband service activation requires two jumpers: one from the feeder block to the DSLAM input block and another from the DSLAM output block to the distribution block.

The high performance LSA-PLUS Series 2 IDC blocks are far superior to standard 66- and 110-type IDC blocks. Contacts angled at 45 degrees offer a larger, stronger cross section of wire and a gas tight seal. Silver-plated contacts resist corrosion much more effectively than standard tin-plated contacts. Combined with integral clamping ribs for extraordinary grip, LSA-PLUS blocks offer exceptional electrical performance and contribute to reduced failure frequency rates in the network.



Green Activation Plugs in Cross-Connect Distribution Field Provide Visual Indication of Active xDSL Customers.



NCX-1000 Shown with Drop Down Panel Opened for Easy Access to OSP Cable Stubs for Splicing into DSLAMs and Network.

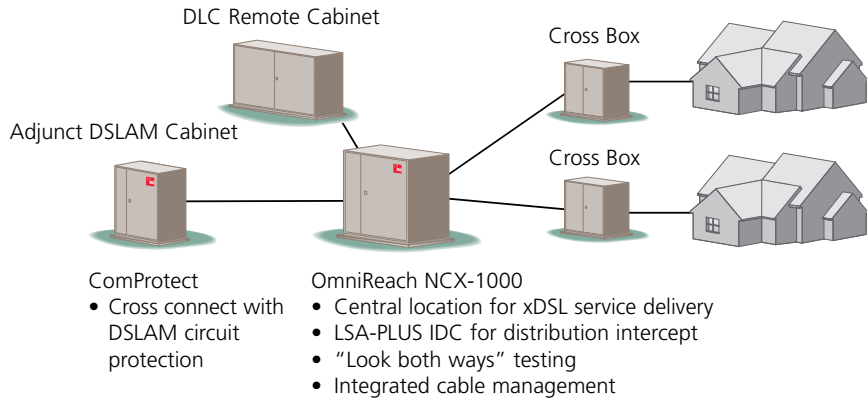
#### Benefits

- Highly flexible cabinet can be deployed in feeder or distribution plant
- When utilizing Distribution Intercept (DI), fastest to deploy because only straight splicing to OSP required
- Unique look-both-ways test capability without lifting wires reduces time for technicians to isolate network problems
- Green activation plugs on DI cross connects offer visual indication of working broadband customers
- Preserves investment in existing copper plant
- Provides a consistent interface for technicians



# OmniReach® NCX-1000

## Large Cabinet for FTTN Broadband Service Delivery



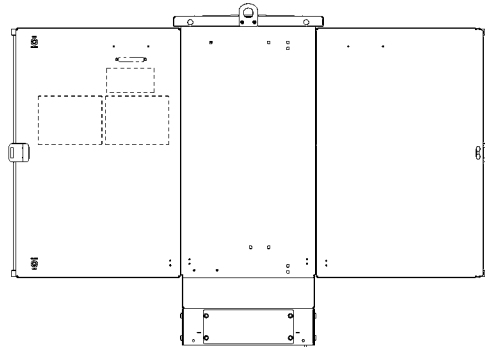
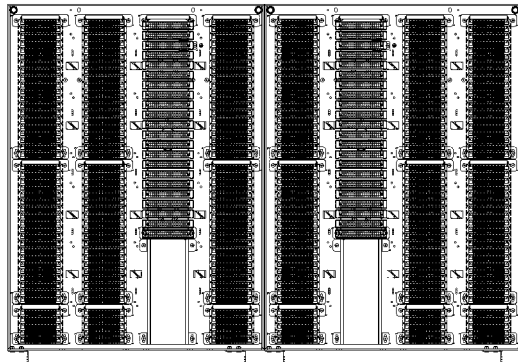
## Specifications

### GENERAL SPECIFICATIONS

<b>Cabinet Size:</b>	48" x 21" x 54" (height x depth x width)
<b>OSP Pairs Termination:</b>	710 connectors
<b>DSLAM Pairs Termination:</b>	710 connectors
<b>Configurations:</b>	
<b>FDI (1:2) protected</b>	600 feeder pairs, 1,200 distribution pairs, 432 DSLAM in/out ports
<b>FDI (1:2) non-protected</b>	900 feeder pairs, 1,350 to 1,800 distribution pairs, 432 to 648 DSLAM in/out ports
<b>DI (1:1) non-protected</b>	1,600 OSP pairs in/out, 864 DSLAM ports in/out

### MECHANICAL SPECIFICATIONS

<b>OSP Input/Output:</b>	LSA-PLUS Series 2 disconnect block (white)
<b>DSLAM Input/Output:</b>	LSA-PLUS Series 2 switching block (brown)
<b>Contact Resistance:</b>	< 1 m Ω
<b>Insulation Resistance:</b>	> 5 x 10 <sup>4</sup> MΩ
<b>Contact Material:</b>	Copper Alloy
<b>Contact Plating:</b>	Silver
<b>Number of Test Cord Insertions:</b>	> 750
<b>IDC Reterminations:</b>	> 200
<b>Cross Connect Wire Requirements:</b>	24 AWG solid, tinned cross connect wire for all terminations



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# OmniReach® NCX-1000

## Large Cabinet for FTTN Broadband Service Delivery

### NCX-1000 Cabinets

#### Ordering Information

Description	Catalog Number
<p><b>NCX-1000 Cabinet FDI (1:2) Protected Configuration</b>            Equipped with 600 feeder pairs and 1200 distribution pairs with 864 DSLAM ports in/out protected. Includes Insertion Tool and LSA-PLUS Series 2 test cord. Order ComProtect protection modules separately.</p>	KCE-FJA600X1200-2
<p><b>NCX-1000 Cabinet FDI (1:2) Non-Protected Configuration</b>            Equipped with 900 feeder pairs and 1800 distribution pairs with 432 DSLAM ports in/out non-protected. Used for applications where adjunct DSLAM cabinet is equipped with protection for DSLAM input and output circuits. Includes Insertion Tool and LSA-PLUS Series 2 test cord.</p>	KCE-FJA900X1800-2N
<p><b>NCX-1000 Cabinet FDI (1:2) Non-Protected Configuration</b>            Equipped with 900 feeder pairs and 1350 distribution pairs with 648 DSLAM ports in/out non-protected. Used for applications where adjunct DSLAM cabinet is equipped with protection for DSLAM input and output circuits. Includes Insertion Tool and LSA-PLUS Series 2 test cord.</p>	KCE-FJA900X1350-3N
<p><b>NCX-1000 Cabinet DI (1:1) Non-Protected Configuration</b>            Equipped with 1600 OSP Intercept pairs in/out and 216 DSLAM ports in/out. Can accommodate up to 864 DSLAM ports. Additional block assemblies ordered separately. Used for applications where adjunct DSLAM cabinet is equipped with protection for DSLAM input and output circuits. Includes Insertion Tool and LSA-PLUS Series 2 test cord and green activation plugs.</p>	KCE-DJA1600-1N
<p><b>Accessories</b></p> <p>Insertion Tool</p> <p>Look-both-ways test cord for Series 2</p> <p>LSA-PLUS Series 2 green activation plugs for xDSL activation (for KCE-DJA1600-1N)</p> <p>Pad Mount Frame for NCX-1000</p> <p>ComProtect solid state overvoltage protection module for applications up to ADSL2+. Two protectors required per circuit. Black housing, package of 100.</p> <p>ComProtect gas discharge tube overvoltage protection module for applications up to VDSL2. Two protectors required per circuit.</p> <p><i>Quantity: 1</i></p>	<p>6417 2 055-01</p> <p>6647 2 900-01</p> <p>6089 3 055-02</p> <p>ACE-304PMF</p> <p>6659 1 010-30</p> <p>PRO-6659 1 509-30</p>

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# OmniReach® NCX-1000

Small and Medium Cabinets for FTTN Broadband Service Delivery



The NCX-1000 service delivery cabinet integrates ADC's patented Distribution Intercept (DI) broadband service delivery cross-connect inside a compact pad or pole mounted cabinet specifically designed for today's new breed of hardened (brick) DSLAMs. The NCX-1000 family of cabinets supports from 48 to 144 DSLAM ports and up to 600 OSP Intercept pairs in/out. It allows strategic placement deep in the network to achieve required loop lengths for optimum bandwidth on xDSL services. Simple, straight splicing to the outside plant cable is all that is needed to begin turning up customers from a central location.

ADC's OmniReach® FTTX Solutions are the industry's first infrastructure solutions designed from the ground up to meet the unique requirements of FTTX networks. Designed for operational efficiency and scalability, OmniReach solutions simplify FTTX network installation, maintenance and management from the central office/headend to the outside plant.

## Features and Benefits

- Single cabinet solution houses DSLAMs and DI service delivery cross-connect
- Works with existing crossbox or can replace it
- Easily splices into the feeder or distribution plant
- Able to groom all existing xDSL shelves into a single format and provide cross-connect capability in addition to pair-bonding
- Provides a consistent interface for technicians
- Can be deployed in feeder or distribution outside plant cable, the most flexible solution available
- Fastest to deploy, only straight splicing activities to OSP required
- Unique look-both-ways test capability without lifting wires reduces time for technicians to isolate network problems
- Distribution Intercept (DI) offers the most streamlined approach to xDSL delivery, green activation plugs offer visual indication of working broadband customers
- Preserves investment in existing copper plant



# OmniReach® NCX-1000

## Small and Medium Cabinets for FTTH Broadband Service Delivery

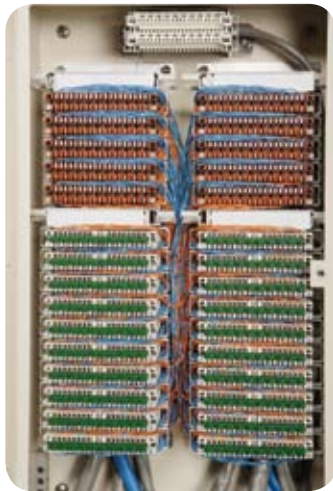
### Distribution Intercept

The heart of the NCX-1000 is ADC's patented Distribution Intercept (DI) cross-connect using LSA-PLUS® Series 2 IDC connectivity.

- Brown Series 2 switching blocks route POTS into the DSLAM and present the combined DSLAM output of POTS/xDSL signals.
- White Series 2 disconnect blocks provide OSP input and output terminations.

Once the DI is spliced onto either feeder or distribution outside plant cable, broadband service activation occurs with a simple 2 pair jumper between brown and white blocks and insertion of a green activation plug. Existing voice service is immediately available upon splicing the DI onto outside plant cable due to normally closed contacts on Series 2 white blocks.

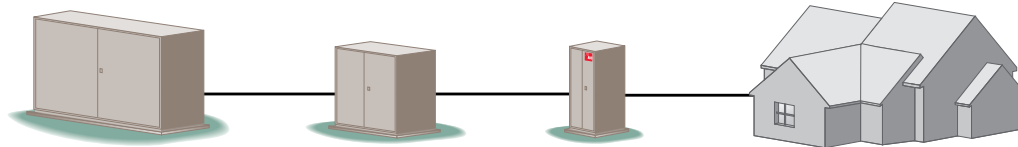
The high performance LSA-PLUS Series 2 IDC blocks are far superior to standard 66- and 110-type IDC blocks. Contacts angled at 45 degrees offer a larger, stronger cross section of wire and a gas tight seal. Silver-plated contacts resist corrosion much more effectively than standard tin-plated contacts. Combined with integral clamping ribs for extraordinary grip, LSA-PLUS blocks offer exceptional electrical performance and contribute to reduced failure frequency rates in the network.



Green Activation Plugs in Cross-Connect Distribution Field Provide Visual Indication of Active xDSL Customers.



Cross-Connect Service Delivery Distribution Field is Hinged for Easy Access to Feeder or Distribution Cable and DSLAM Protectors.



**DLC Remote Cabinet**

**Cross Box**

**OmniReach® NCX-1000 Cabinet**

- Small hardened DSLAM
- Central location for xDSL service delivery
- LSA-PLUS IDC for distribution intercept
- "Look both ways" testing
- Integrated cable management
- Enables precision reach deeper in the network

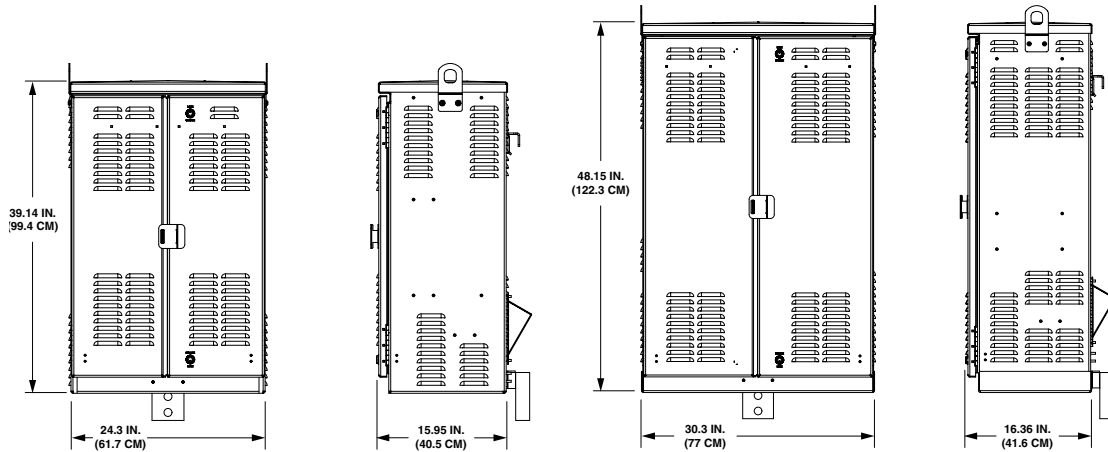
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# OmniReach® NCX-1000

Small and Medium Cabinets for FTTN Broadband Service Delivery

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## Specifications

### GENERAL SPECIFICATIONS

<b>Mounting:</b>	Pole or pad
<b>Hardened DSLAMs Supported:</b>	1 to 3
<b>DSLAM Ports In/Out Supported:</b>	48 to 144
<b>DSLAM Port Terminations:</b>	710 connectors
<b>OSP Intercept Pairs In/Out Supported:</b>	200 to 600 pairs
<b>OSP Pairs Termination:</b>	MS <sup>2</sup> ® connectors
<b>Cable Entrance:</b>	From top rear or bottom
<b>Cable Management:</b>	Splicing bar inside for grooming cables
<b>Accessories:</b>	Includes Insertion Tool and Series 2 green activation plugs

### MECHANICAL SPECIFICATIONS

<b>OSP Input/Output:</b>	LSA-PLUS Series 2 disconnect block (white)
<b>DSLAM Input/Output:</b>	LSA-PLUS Series 2 switching block (brown)
<b>Contact Resistance:</b>	< 1 m Ω
<b>Insulation Resistance:</b>	> 5 x 10 <sup>4</sup> MΩ
<b>Contact Material:</b>	Copper Alloy
<b>Contact Plating:</b>	Silver
<b>Number of Test Cord Insertions:</b>	> 750
<b>IDC Reterminations:</b>	> 200
<b>Cross Connect Wire Requirements:</b>	24 AWG solid, tinned cross connect wire for all terminations

MS<sup>2</sup>® is a registered trademark of 3M



# OmniReach® NCX-1000

## Small and Medium Cabinets for FTTN Broadband Service Delivery

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### Ordering Information

Description	Catalog Number
<b>Small Pole-or Pad-Mount Cabinet NCX-10487P00</b>	
Distribution intercept service delivery cabinet with 200 pair OSP with MS <sup>2</sup> ® connectors and 96 DSLAM ports in/out with 710 connectors. Includes Insertion Tool and LSA-PLUS Series 2 green activation plugs.	NCX-10487P00
Bracket supports first Adtran Total Access-1148 DSLAM and first 1100F aggregation unit	6652 2 175-00
Bracket for second Adtran Total Access-1148 only	6652 2 175-01
Pole mount kit for NCX-10487P00	OSP-PMK-100
Pad mount frame for NCX-10487P00	ACE-102PMF
NCX-10487P00 split skirt riser 6" for pad mount frame	ACE-ACCSPCR06S-102
<b>Medium Pole-or Pad-Mount Cabinet NCX-144600</b>	
Distribution intercept service delivery cabinet, 1-3 hardened DSLAMs, 144 ports in/out with 710 connectors and 600 OSP intercept in/out pairs with MS <sup>2</sup> ® connectors. Includes Insertion Tool and LSA-PLUS Series 2 green activation plugs.	NCX-144600
Bracket supports first Adtran Total Access-1148 DSLAM and first 1100F aggregation unit	6652 2 175-00
Bracket for second Adtran Total Access-1148 only	6652 2 175-01
Bracket for third Adtran Total Access-1148 and second 1100F aggregation	6652 2 175-03
Pole mount kit for NCX-144600	OSP-PMK-001
Pad mount frame for NCX-144600	ACE-152PMF
NCX-144600 split skirt riser 6" for pad mount frame	ACE-ACCSPCR06S-152
<b>Accessories</b>	
Insertion Tool	6417 2 055-01
Look-both-ways test cord for LSA-PLUS Series 2 blocks	6647 2 900-01
LSA-PLUS Series 2 green activation plugs used for xDSL activation <i>Quantity: 1 (order in multiples of 100)</i>	6089 3 055-02



## OmniReach® NCX-1000s

Distribution Intercept Cross-Connect for CoolPed™ Cabinets



The NCX-1000s service delivery cross connect is designed for customers who use the Emerson CoolPed™ cabinet for hardend DSLAM applications. The NCX-1000s utilizes ADC's patented Distribution Intercept (DI) broadband service delivery cross-connect and mounts inside the CoolPed cabinet offering the same streamlined broadband service delivery as found in ADC's family of NCX-1000 cabinets. The NCX-1000s combined with the CoolPed allows you to strategically place the cabinet anywhere in the network to achieve the required loop lengths for optimum bandwidth. Simple straight splicing to the outside plant cable is all that is needed to begin turning up customers.

ADC's OmniReach® FTTX Solutions are the industry's first infrastructure solutions designed from the ground up to meet the unique requirements of FTTX networks. Designed for operational efficiency and scalability, OmniReach solutions simplify FTTX network installation, maintenance and management from the central office/headend to the outside plant.

### Features

- NCX-1000s and mounting brackets for CoolPed cabinet installation, OSP cable stubs 12' for easy splicing into DSLAMs and network
- Works with existing feeder/distribution cross box or can replace it
- Sized from 48 DSLAM ports and 100 OSP intercept pairs to 144 DSLAM ports and 600 OSP intercept pairs
- Able to groom all existing xDSL shelves into a single format and provide cross-connect capability in addition to pair-bonding
- Provides a consistent interface for technicians



# OmniReach® NCX-1000s

## Distribution Intercept Cross-Connect for CoolPed™ Cabinets

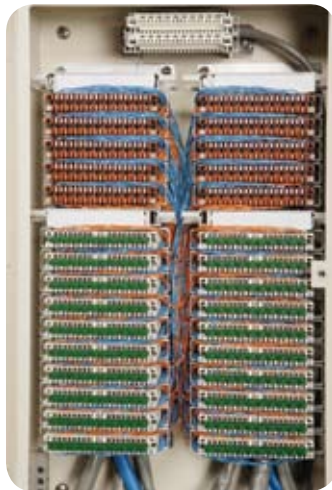
### Distribution Intercept

The heart of the NCX-1000s is ADC's patented Distribution Intercept (DI) cross-connect using LSA-PLUS® Series 2 IDC connectivity.

- Brown Series 2 switching blocks route POTS into the DSLAM and present the combined DSLAM output of POTS/xDSL signals.
- White Series 2 disconnect blocks provide OSP input and output terminations.

Once the DI is spliced onto either feeder or distribution outside plant cable, broadband service activation occurs with a simple 2 pair jumper between brown and white blocks and insertion of a green activation plug. Existing voice service is immediately available upon splicing the DI onto outside plant cable due to normally closed contacts on Series 2 white blocks.

The high performance LSA-PLUS Series 2 IDC blocks are far superior to standard 66- and 110-type IDC blocks. Contacts angled at 45 degrees offer a larger, stronger cross section of wire and a gas tight seal. Silver-plated contacts resist corrosion much more effectively than standard tin-plated contacts. Combined with integral clamping ribs for extraordinary grip, LSA-PLUS blocks offer exceptional electrical performance and contribute to reduced failure frequency rates in the network.



Green Activation Plugs in Cross-Connect Distribution Field Provide Visual Indication of Active xDSL Customers.



NCX-1000s Enables Centralized Broadband Service Delivery from CoolPed Cabinets.

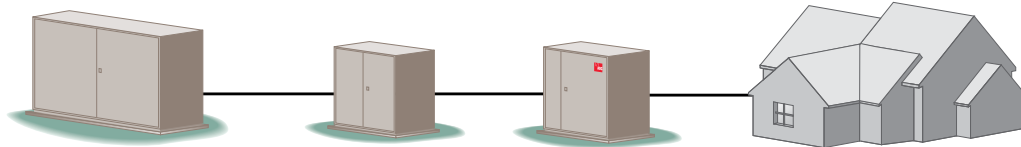


# OmniReach® NCX-1000s

## Distribution Intercept Cross-Connect for CoolPed™ Cabinets

### Benefits

- Can be deployed in feeder or distribution outside plant cable, the most flexible solution available
- Fastest to deploy, only straight splicing activities to OSP required
- Unique look-both-ways test capability without lifting wires reduces time for technicians to isolate network problems
- Distribution Intercept (DI) offers the most streamlined approach to xDSL delivery



**DLC Remote Cabinet**

**Cross Box**

**CoolPed Cabinet**

NCX-1000s cross connect in CoolPed  
 Central location for xDSL service delivery  
 LSA-PLUS® IDC for distribution intercept  
 "Look both ways" testing

## Specifications

### GENERAL SPECIFICATIONS

**Mounting:**

**DSLAM Ports In/Out:**

**OSP Intercept Pairs In/Out:**

**Cabling:**

**Accessories:**

Bracket included for CoolPed™ cabinet with mounting rails

48 to 144

100 to 600 pairs

OSP gel filled direct bury cable with raw ended stubs 12 ft in length

Includes Insertion Tool and LSA-PLUS Series 2 green plugs for xDSL activation

### MECHANICAL SPECIFICATIONS

**OSP Input/Output:**

**DSLAM Input/Output:**

**Contact Resistance:**

**Insulation Resistance:**

**Contact Material:**

**Contact Plating:**

**Number of Test Cord Insertions:**

**IDC Reterminations:**

**Cross Connect Wire Requirements:**

LSA-PLUS Series 2 disconnect block (white)

LSA-PLUS Series 2 switching block (brown)

< 1 m Ω

> 5 x 10<sup>4</sup> MΩ

Copper Alloy

Silver

> 750

> 200

24 AWG solid, tinned cross connect wire for all terminations

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# OmniReach® NCX-1000s

Distribution Intercept Cross-Connect for CoolPed™ Cabinets

## Ordering Information

Description	Catalog Number
<b>Distribution Intercept Cross Connect for Mounting in CoolPed Cabinet.</b> Includes mounting bracket, Insertion Tool and LSA-PLUS Series 2 green activation plugs. 48 DSLAM ports in/out, 100 OSP intercept pairs 96 DSLAM ports in/out, 200 OSP intercept pairs 144 DSLAM ports in/out, 600 OSP intercept pairs	NIB-048100N12S NIB-096200N12S NIB-144600N12S
<b>Accessories</b> Insertion Tool Look-both-ways test cord for LSA-PLUS Series 2 LSA-PLUS Series 2 green plugs for xDSL activation <i>Quantity: 1 (order in multiples of 100)</i>	6417 2 055-01 6647 2 900-01 6089 3 055-02

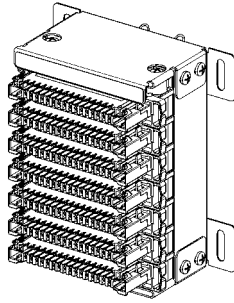
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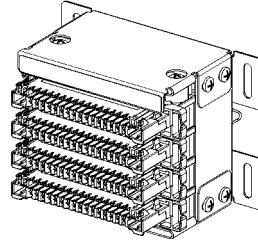
# ComProtect® Protection and DS1 Solutions

## Series NT and Series 2 Blocks

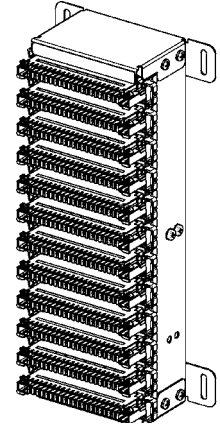
### Series NT Blocks



28-Circuit Block  
6634 1 971-07



16-Circuit Block  
6634 1 971-04

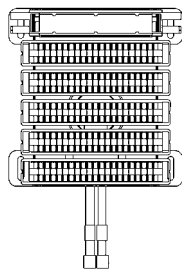


120-Circuit Block  
6634 1 272-12/10

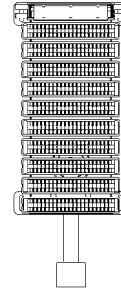
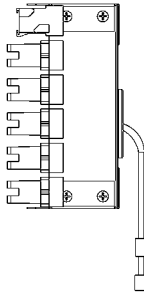
#### Ordering Information

Description	Dimensions (HxWxD)	Catalog Number
<b>28-Circuit Series NT DS1 Block</b> With (2) 64-Pin Amp Connectors	5.5" x 5.13" x 3.13"	6634 1 971-07
<b>16-Circuit Series NT DS1 Block</b> With (2) 36-Pin Amp Connectors	3.5" x 5.13" x 3.13"	6634 1 971-04
<b>120-Circuit Series NT 190V Power Supply Block</b> With Tails and Connectors	11.5" x 5.62" x 3.18"	6634 1 272-12/10

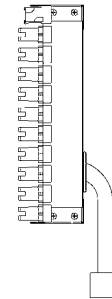
### Series 2 ComProtect® Protector Blocks



50-Pair Block  
6659 1 005-10/06A



100-Pair Block  
6659 1 005-00/06A



#### Ordering Information

Description	Dimensions (HxWxD)	Catalog Number
<b>50-Pair Block</b> With 6' 25-Pair Cable Stubs and 710 Connectors	5.88" x 5.75" x 3.2"	6659 1 005-10/06A
<b>100-Pair Block</b> 6' Stub and 710 Connectors (4) 25-Pair 6' Cable Stubs and 710 Connectors		6659 1 105-00/06A 6659 1 105-10/06A

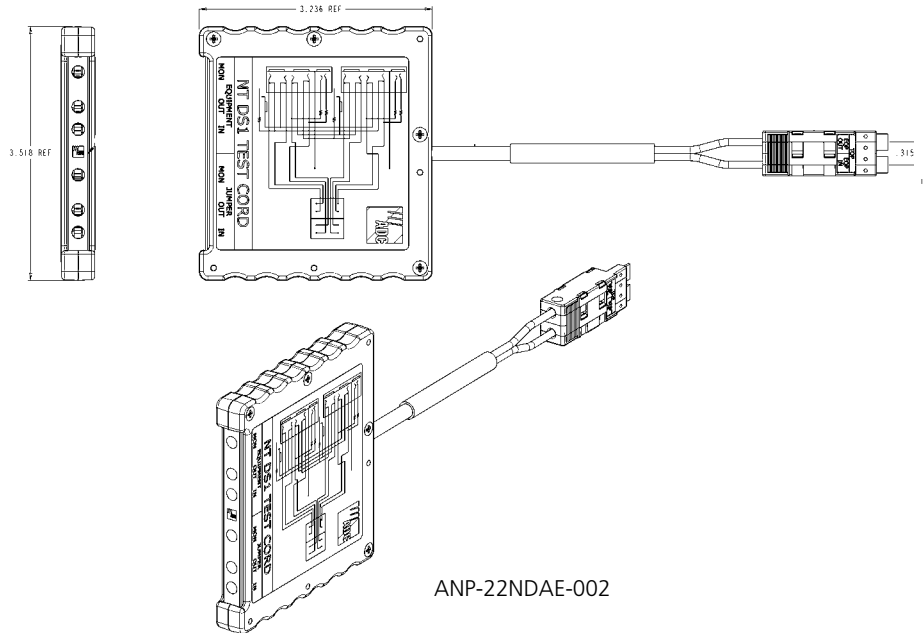
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# ComProtect® Protection and DS1 Solutions

Series NT and Series 2 Blocks

## Series NT DS1 Test Cord

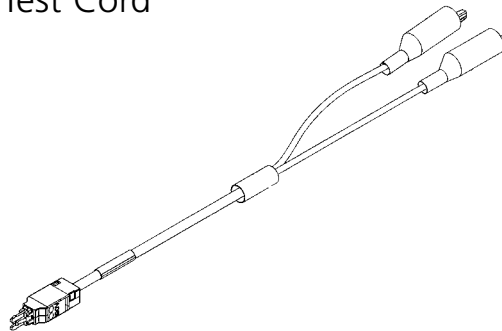


ANP-22NDAE-002

### Ordering Information

Description	Catalog Number
<b>Series NT DS1 Test Cord</b> With dual monitor look-in/look-out, equipped with bantam jacks 2'	ANP-22NDAE-002

## Series 2 Power Pair Test Cord



6647 2 875-01

### Ordering Information

Description	Catalog Number
<b>Series 2 Power Pair Test Cord</b> Designed to measure the output of a power pair circuit once wired from source block to OSP protected block prior to inserting Comprotect protector and energizing field side cable.	6647 2 875-01

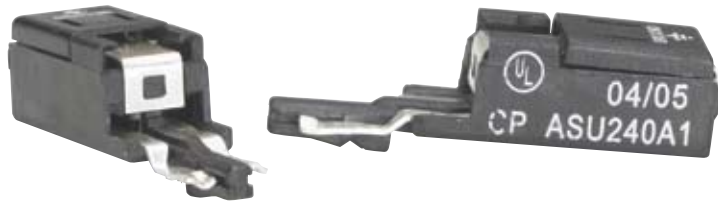
Note: Additional lengths available, please contact ADC for ordering information.

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# ComProtect® Solid-State

## Single-Pair Protectors for Series 2 Switching Blocks



### High-Performance Overvoltage Protection

ADC's ComProtect® 2/1 CP ASU240A1 solid state single-pair protection modules provide maximum overvoltage protection in a minimum of space. Plugging directly into ADC's LSA-PLUS® Series 2 switching blocks, ComProtect products save space and protect valuable, system-critical equipment.

Designed for optimum performance — integrated, solid-state design enables quick, reliable response

Saves space — combines protection and cross-connect fields into a single KRONE® Series 2 block — no additional interconnect terminal blocks required

Up to 50% space savings over traditional systems utilizing separate cross-connect and protection fields

Easy to use and maintain — when inserted into a Series 2 switching block, the field pair can be isolated from the equipment side by removing the protector and opening the circuit



### Features and Applications

- Meets applicable GR-974-CORE, GR-78-CORE and GR-63-CORE standards
- Meets UL 497 standard for paired conductor communications circuit protection
- Unique, high-density single-pair design allows pairs to be isolated and easily replaced
- Both 24- and 26-gauge wire can be used to create a fuse link from the protection field to the OSP network cable
- Meets all standards for controlled environments including temperature, humidity, office vibration and airborne contaminants
- Meets all standards for uncontrolled environments including salt-fog, rain, fungus, airborne contaminants and aging. Also meets standards for environmental cycling for impulse and AC surges.
- Meets GR-63 standards for transport and storage
- NEBS Level 3 compliant
- Insertion loss of less than 0.6 dB (up to 16 MHz)
- The ComProtect module supports broadband circuits, such as ADSL2+
- **Fiber to the Curb Applications**  
Provides a technician-friendly method of connecting and protecting outgoing line powering pairs in ONU (optical network unit) host cabinets.
- **DLC Remote Terminal OSP Pair Applications**  
Compact solution for all OSP pairs leaving DLC cabinets. Saves space in the end chamber by providing cross-connect and protection in one field — up to 100% space savings in certain applications.
- **Cabinet Overlay Applications**  
Compact 307 type replacement for protecting inputs and outputs of DSLAM equipment.

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# ComProtect® Solid-State

## Single-Pair Protectors for Series 2 Switching Blocks

### Specifications

#### ELECTRICAL

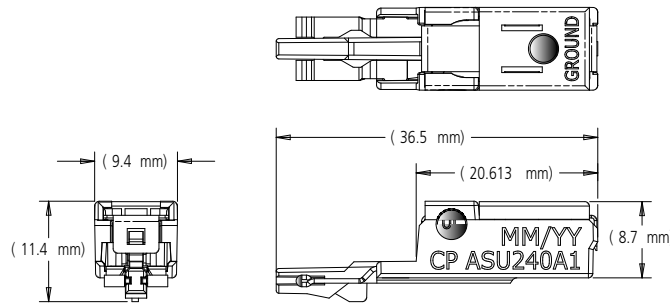
<b>Operating voltage (t/r-g):</b>	240V
<b>Minimum breakdown voltage (t/r-g):</b>	265V
<b>Maximum breakdown voltage (t/r-g):</b>	400V
<b>Impulse spark-over voltage @ 1 kV/μs:</b>	< 400V
<b>Fail-safe response time @ 1 A<sub>rms</sub>:</b>	20 sec
<b>Fail-safe response time @ 5 A<sub>rms</sub>:</b>	5 sec
<b>Capacitance (t/r-g, a-b at 1MHz):</b>	<100pF
<b>Insulation-resistance @100V:</b>	> 50 MΩ
<b>Dielectric strength @ 20° C, 50 Hz:</b>	1000V <sub>rms</sub>
<b>Insertion loss:</b>	0.1 dB up to 10 MHz 0.2 dB up to 10 – 14 MHz
<b>Return Loss:</b>	23 dB up to 5 MHz
<b>Bit Error Rate (BER):</b>	<10 <sup>-7</sup>
<b>Longitudinal balance:</b>	>32 dB up to 100 MHz
<b>Operating temperature:</b>	-40° to 85° C (-40° F to 185 ° F)
<b>Housing material:</b>	UL94 V-0

#### IMPULSE LIFE REQUIREMENT

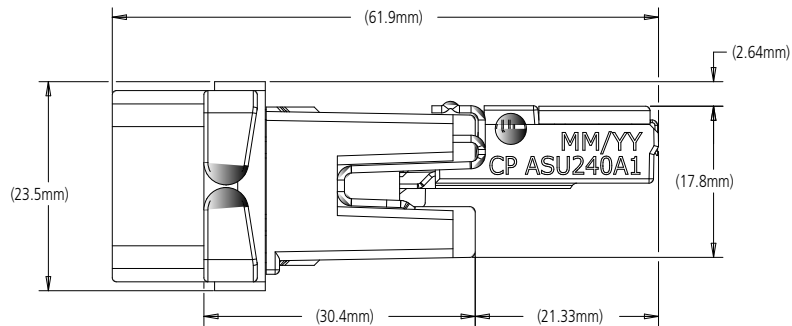
<b>Impulse Current</b>	±10A, 10/1000μs	±100A, 10/1000μs
<b>Impulse Life:</b>	1500 operations	100 operations

#### AC LIFE REQUIREMENT

<b>AC Current</b>	10 A <sub>rms</sub> , 1 sec	1 A <sub>rms</sub> , 1 sec	0.5 A <sub>rms</sub> , 30 sec
<b>AC Life:</b>	5 operations	60 operations	1 operation



ComProtect Dimensions



ComProtect Unit Inserted into Series 2 Block

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# ComProtect® Solid-State

Single-Pair Protectors for Series 2 Switching Blocks

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## Ordering Information

Description	Catalog Number
<b>ComProtect® Protectors with Ground Bars</b>	
Package of 10, black housing	5909 1 212-00
Package of 8, black housing	5909 1 211-00
<b>ComProtect® Protectors without Ground Bars</b>	
<b>Package of 25</b>	
Black housing	6659 1 008-30
Yellow housing	6659 1 008-90
Red housing	6659 1 008-50
<b>Package of 100</b>	
Black housing	6659 1 010-30
Yellow housing	6659 1 010-90
Red housing	6659 1 010-50
<b>Ground Bars - Package of 10</b>	
10-pair used on 10-pair Series 2 blocks	6659 2 241-10
8-pair used on 8-pair Series 2 blocks	6659 2 242-10



# ComProtect® Gas Discharge Tube

## Single-Pair Protectors For Series 2 Switching Blocks



ADC's ComProtect® 2/1 CP TP280A1 GDT (Gas Discharge Tube) single-pair protection module, when combined with ADC's LSA-PLUS® Series 2 connectivity, is a high-density system that increases the pair capacity that can be supported in OSP cabinets. The ComProtect GDT system provides up to a 50% space savings over traditional systems utilizing separate cross-connect and protection fields. By reducing the number of connection points, the ComProtect GDT system improves technician productivity and reduces failure rates. The ComProtect GDT module has been designed for protecting high bandwidth circuits, like VDSL2.

### Applications

- OSP protected blocks, designed for protecting circuits entering or leaving cabinets
- T1 protected input and output circuits
- Building entrance protection terminal blocks

### Features and Benefits:

- Meets applicable GR-1361-CORE, GR-63-CORE, GR-78-CORE, GR-1252-CORE, and SR-NWT-2759 Telcordia standards
- Meets the "High-Speed Digital Networks Operating up to 100 MHz" requirements of Telcordia GR-974-CORE
- Listed to UL 497
- Meets NEBS Level 3 compliance
- Supports VDSL2 transmission
- Quick VDSL2 migration for upgrading from xDSL2+ circuits by simply changing out solid-state ComProtect to ComProtect GDT
- Cross-connection and protection in the same footprint
- Termination Block with integrated protection
- Provides protection to your FTTN network elements against overvoltage surges
- ComProtect utilizes LSA-PLUS technology therefore reducing network failure frequency rates.
- LSA-PLUS technology offers monitoring, look-both-ways testing, without lifting cross-connect jumpers



# ComProtect® Gas Discharge Tube

## Single-Pair Protectors For Series 2 Switching Blocks

### Specifications

<b>DC Sparkover:</b>	350 V $\pm 20\%$ @ 100V/ $\mu$ s <sup>1</sup>
<b>Impulse Sparkover:</b>	625 V @ 100V/ $\mu$ s 875 V @ 1,000V/ $\mu$ s
<b>Insulation Resistance:</b>	$> 10^{10} \Omega$ @ 100V
<b>Impulse Discharge Current:</b>	40,000 A, 8/20 $\mu$ s (1 operation minimum) 20,000 A, 8/20 $\mu$ s (>10 operations) 1,000 A, 8/20 $\mu$ s (>400 operations)
<b>Alternating Discharge current:</b>	130 A <sub>rms</sub> , 11 cycles (1 operation minimum) 20 A <sub>rms</sub> , 1s (> 10 operations)
<b>Bit Error Rate (BER):</b>	$< 10^{-7}$
<b>Longitudinal Balance:</b>	$> 52$ dB up to 16 MHz, $> 40$ dB up to 100 MHz
<b>Operating Temperature:</b>	-40°C to +85°C (-40°F to +185°F)
<b>Housing material:</b>	UL 94 V-0

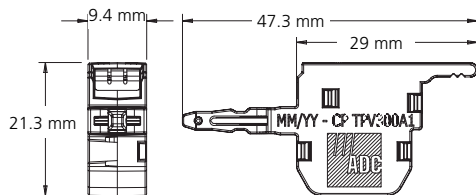
<sup>1</sup>DC Sparkover may exceed  $\pm 25\%$  after discharge, but will continue to protect without venting.

#### INSERTION LOSS

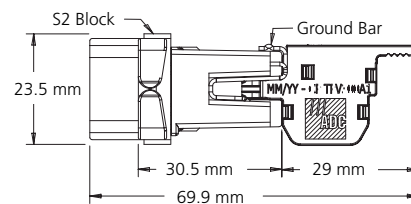
dB	Frequency Range
< 0.01 dB	up to 16 MHz
< 0.025 dB	16 - 31.25 MHz
< 0.07 dB	31.25 - 42.6 MHz
< 0.15 dB	42.6 - 100 MHz

#### RETURN LOSS

dB	Frequency Range
> 37 dB	up to 20 MHz
> 25 dB	20 - 62.5 MHz
> 19.5 dB	62.5 - 100 MHz



ComProtect Dimensions



Inserted ComProtect

### Ordering Information

Description	Catalog Number
ComProtect GDT 2/1 CP TP280A1 - Quantity: 1 (Pack of 100)	PRO-6659 1 509-30B





# Series 2 Connectivity

## Series 2 Wired Termination Block System

### Features

- The original IDC termination block system
- Can be custom configured to meet specific application requirements
- Available in 8- and 10-pair configurations
- Unique center port design allows for patching or testing without removing cross-connect wires or disrupting the circuit
- Versatile mounting hardware allows mounting on wall, in racks, etc.
- Comprehensive labeling options



Series 2 10-Pair Disconnect Block

### Ordering Information

Description	Dimensions (HxWxD)	Catalog Number
<b>8-Pair Series 2 Block</b> <i>Quantity: 1 (order in multiples of 10)</i> Snaps into Type 85 rod-mount bracket or Standard Type 85 back-mount frame	0.88" x 4.88" x 1.63" (22.3 mm x 123 mm x 41.4 mm)	6036 1 005-00
<b>10-Pair Series 2 K110 Disconnect Block</b> <i>Quantity Per Pack: 10</i> Snaps into universal mounting system, Type 105 rod-mount bracket or standard Type 105 back-mount frame. Wires can be terminated with either KRONE insertion tool or industry-standard punchdown tool equipped with 110-blade	0.88" x 4.88" x 1.63" (22.35 mm x 123 mm x 41.4 mm)	6468 5 102-00
<b>10-Pair Series 10 Block</b> <i>Quantity: 1 (order in multiples of 10)</i> Snaps into Type 85 rod-mount bracket	0.88" x 4.06" x 1.63" (22.35 mm x 103.1 mm x 41.4 mm)	6730 1 001-00
<b>10-Pair Series 10 Block</b> <i>Quantity: 1 (order in multiples of 10)</i> Includes (20) 5mm spacers for even spacing on Type 85 rod-mount bracket	0.88" x 4.06" x 1.63" (22.35 mm x 103.1 mm x 41.4 mm)	6730 1 001-01

#### Tech Tip

For proper wire management, use the wire management rings on both sides of the block. Pull half the jumpers or patch cords to one side and the other half to the other side.

#### Tech Tip

Field terminated kits are used for customized applications where preterminated blocks are not required. Used with ADC cable, the kits provide a complete broadband/DSL transmission solution.



# Series 2 Connectivity

## Series 2 Field Assembly Kits

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160-Pair Kit



200-Pair Kit



300-Pair Kit



200-Pair Rod Mount Kit

Ordering information follows on the next page



# Series 2 Connectivity

## Series 2 Field Assembly Kits

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### Ordering Information

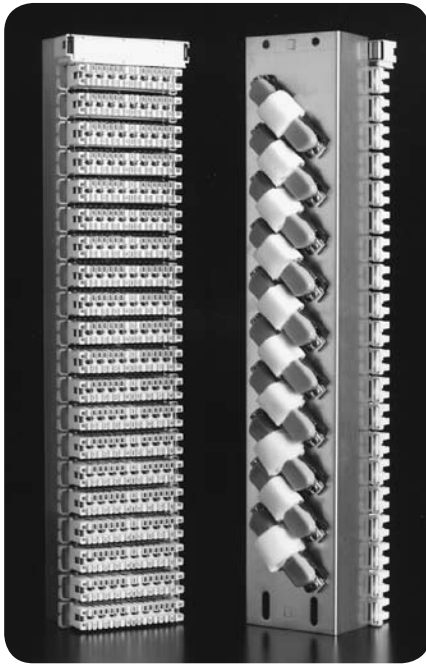
Description	Dimensions (HxWxD)	Catalog Number
<b>160-Pair Field Assembly Kit</b> <i>Quantity: 1</i> Provides termination or patching for (4) 4-pair cables. Includes (20) 8-pair Series 2 blocks, (1) Type 85 label holder, (1) 21-position Type 85 back-mount frame, mounting hardware, protective rubber grommets for back-mount frame rear cable entry holes	18.44" x 4.06" x 3.81" (468.38 mm x 103.12 mm x 96.77 mm)	6636 1 210-00
<b>200-Pair Field Assembly Kit</b> <i>Quantity: 1</i> Provides termination or patching for multipurpose cable, including riser cable, totaling up to 200 pairs; allows easy pair identification in 10-pair groups. Includes (2) 10-pair Series 2 blocks, (1) Type 105 label holder, (1) 21-position Type 105 back-mount frame, mounting hardware, protective rubber grommets for mounting bracket rear cable entry holes	18.44" x 4.88" x 3.69" (468.38 mm x 123 mm x 93.73 mm)	6638 1 180-00
<b>300-Pair Field Assembly Kit</b> <i>Quantity: 1</i> Includes (30) Series 2 10-pair blocks, (1) 31-position back-mount frame, label holder, mounting hardware	27.13" x 4.88" x 3.69" (689 mm x 123 mm x 93.73 mm)	6638 1 300-03
<b>200-Pair Field Assembly Kit</b> <i>Quantity: 1</i> Includes (20) Series 2 10-pair blocks, (1) 21-position rod-mount frame, label holder, mounting hardware	18.63" x 4.88" x 3.69" (473.2 mm x 123 mm x 93.73 mm)	6638 1 180-21



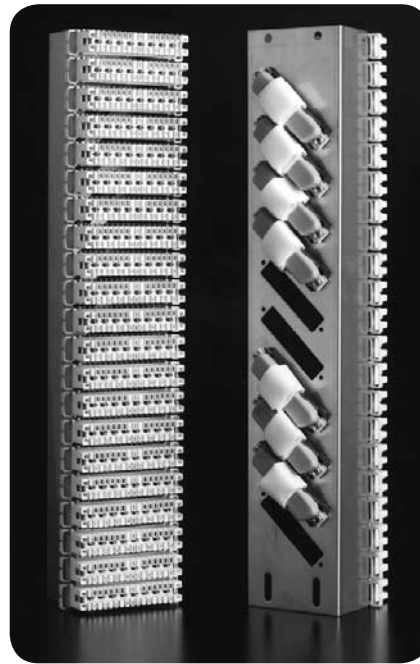
# Series 2 Connectivity

## Series 2 Preterminated Assemblies

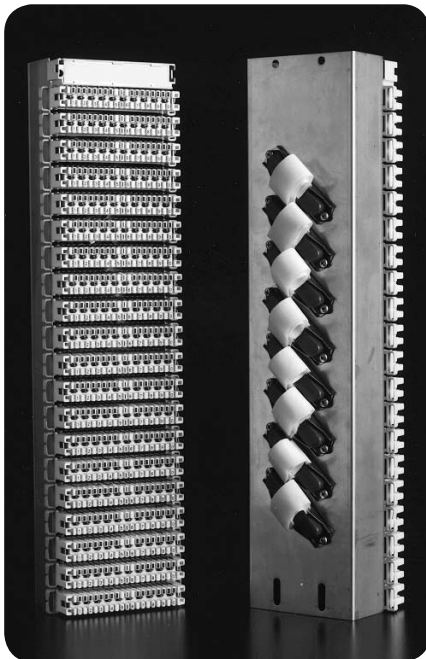
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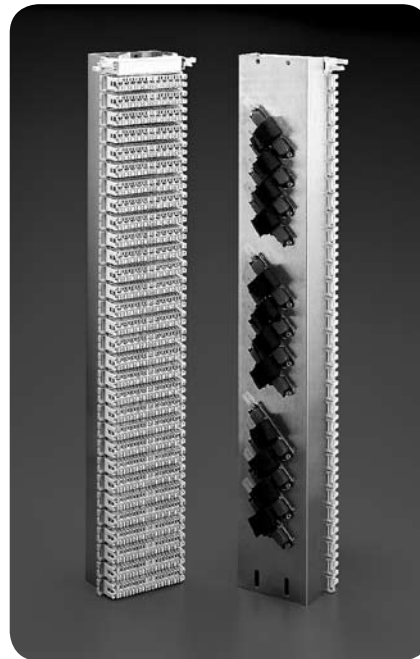
160-Pair Block, Factory Preterminated



168-Pair Block, Factory Preterminated



200-Pair Block, Factory Preterminated



300-Pair Block, Factory Preterminated

Ordering information follows on the next page



# Series 2 Connectivity

## Series 2 Preterminated Assemblies

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### Ordering Information

Description	Dimensions (HxWxD)	Catalog Number
<p><b>160-Pair Factory Preterminated Kit</b> <i>Quantity: 1</i>            For PBX switch cables using only 16-pair per Telco connector, or for IBM 3270 applications. Includes (20) 8-pair Series 2 blocks, affixed to back-mount frame, preterminated to (10) RJ-21 50-pin male connectors with hook-and-loop fastener locks. Wires divided into 16-pair groups. Each RJ-21 50-pin connector is connected to (2) Series 2 blocks at the opposite end: Pairs 1 to 8 terminate to first block; pairs 9 to 16 terminate to second block. Sequence repeated for each 50-pin connector. Includes (1) Type 85 label holder</p>	<p>18.44" x 4.06" x 3.81"            (468.38 mm x 103.12 mm x 96.77 mm)</p>	6635 1 210-08
<p><b>168-Pair Factory Preterminated Kit</b> <i>Quantity: 1</i>            For PBX systems. Includes (21) 8-pair Series 2 blocks, affixed to back-mount frame, preterminated to (7) RJ-21 50-pin male connectors; hook-and-loop fastener locks on each 50-pin connector secure equipment cables. Wires divided into 24-pair groups. Each group terminates to (1) RJ-21 50-pin connector at one end and (3) Series 2 blocks at the other end: Pairs 1 to 8 terminate to first block; pairs 9 to 16 terminate to second block; pairs 17 to 24 terminate to third block. Sequence repeated for each 50-pin connector</p>	<p>18.44" x 4.06" x 3.81"            (468.38 mm x 103.12 mm x 96.77 mm)</p>	6635 1 220-03
<p><b>200-Pair Factory Preterminated Kit Series 2 Blocks, Male Connectors</b> <i>Quantity: 1</i>            For demarcation and multi-pair cable installations. Includes (20) 10-pair Series 2 disconnect blocks preterminated to (8) 25-pair male Telco RJ-21X connectors* on a 21-position back mount frame; includes (1) Type 105 label holder; hook-and-loop fastener locks on each 50-pin connector secure equipment cables. Mounts on mounting frame or support bars</p>	<p>18.44" x 4.88" x 3.69"            (468.38 mm x 123 mm x 93.73 mm)</p>	6637 1 180-03

\*25-pair Telco connectors are oriented for bottom feed cable assemblies

Ordering information continues on the next page



# Series 2 Connectivity

## Series 2 Preterminated Assemblies

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### Ordering Information

Description	Dimensions (HxWxD)	Catalog Number
<b>200-Pair Factory Preterminated Kit with 10-Pair Series 2 Blocks, Female Connectors</b> <i>Quantity: 1</i> For demarcation and multi-pair cable installations. Includes (20) 10-pair Series 2 disconnect blocks preterminated to (8) 25-pair female Telco RJ-21X connectors* on a 21-position back mount frame; includes (1) Type 105 label holder; hook-and-loop fastener locks on each 50-pin connector secure equipment cables. Mounts on mounting frame or support bars	18.44" x 4.88" x 3.69" (468.38 mm x 123 mm x 93.73 mm)	6637 1 180-04
<b>300-Pair Factory Preterminated Kit with 10-Pair Series 2 Blocks, Male Connectors</b> <i>Quantity: 1</i> For demarcation and multi-pair cable installations. Includes (30) 10-pair Series 2 disconnect blocks preterminated to (12) 25-pair male Telco RJ-21X connectors on a 21-position back mount frame; includes (1) Type 105 label holder; hook-and-loop fastener locks on each 50-pin connector secure equipment cables. Mounts on support bars	27.13" x 4.88" x 3.69" (689 mm x 123 mm x 93.73 mm)	6637 1 210-04
<b>300-Pair Factory Preterminated Kit with 10-Pair Series 2 Blocks, Female Connectors</b> <i>Quantity: 1</i> For demarcation and multi-pair cable installations. Includes (30) 10-pair Series 2 disconnect blocks preterminated to (12) 25-pair female Telco RJ-21X connectors on a 21-position back mount frame; includes (1) Type 105 label holder; hook-and-loop fastener locks on each 50-pin connector secure equipment cable. Mounts on support bars	27.13" x 4.88" x 3.69" (689 mm x 123 mm x 93.73 mm)	6637 1 210-10

\*25-pair Telco connectors are oriented for bottom feed cable assemblies

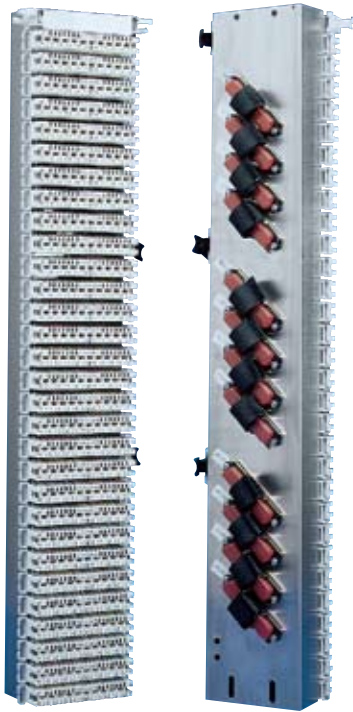


# Series 2 Connectivity

## Series 2 Preterminated Blocks

OmniReach® LSA-PLUS Connectivity Solutions

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300-Pair Preterminated Block



200-Pair Preterminated Block

### Features

- High-density IDC termination system
- Preterminated to reduce installation time
- Provides "look-both-ways" fault isolation, testing and qualification without removing wires
- 25-pair connectors oriented for top feed cable assemblies
- Used with ADC cable, the blocks provide a complete broadband/DSL transmission solution

### Ordering Information

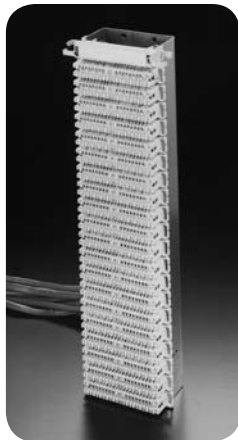
Description	Dimensions (HxWxD)	Catalog Number
<b>200-Pair Block</b> <i>Quantity: 1</i> Preterminated to (8) 25-pair female Telco RJ-21X connectors	18.44" x 4.88" x 3.69" (468.38 mm x 123 mm x 93.73 mm)	6637 1 180-49
<b>300-Pair Block</b> <i>Quantity: 1</i> Preterminated to (12) 25-pair female Telco RJ-21X connectors	27.13" x 4.88" x 3.69" (689 mm x 123 mm x 93.73 mm)	6637 1 210-14



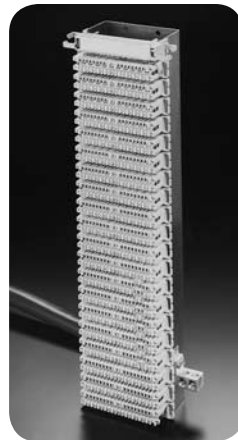
# Series 2 Connectivity

## Series 2 Stubbed Disconnect Blocks

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200-Pair Disconnect Block with Rear Exit Stub



200-Pair Disconnect Block with Bottom Rear Exit Stub



100-Pair Disconnect Block with Top Exit Stub

### Ordering Information

Description	Dimensions (HxWxD)	Catalog Number
<p><b>100-Pair Stubbed Disconnect Block with ARMM Cable</b> <i>Quantity: 1</i></p> <p>Includes (10) 10-pair Series 2 disconnect blocks, label holder, (1) 11-position back-mount frame with attached double group lug. Blocks preterminated to 100-pair ARMM (24 AWG) cable (15'); cable stub exits through top of back-mount frame</p> <p>Mounts on support bars</p>	<p>9.63" x 4.88" x 3.69" (244.6 mm x 123 mm x 93.73 mm)</p>	6637 1 140-30/15
<p><b>200-Pair Stubbed Disconnect Block with ARMM Cable</b> <i>Quantity: 1</i></p> <p>Includes (20) 10-pair Series 2 disconnect blocks, label holder, (1) 21-position back mount frame with attached double ground lug. Blocks preterminated to 200-pair ARMM (24 AWG) cable; cable stub exits through either top or bottom of assembly through rear cable entry holes on back mount frame</p> <p>Mounts directly to mounting frame or support bars</p> <p>25' top rear exit stub 50' top rear exit stub 50' bottom rear exit stub</p>	<p>18.44" x 4.88" x 3.69" (468.38 mm x 123 mm x 93.73 mm)</p>	<p>6637 1 250-01/25 6637 1 250-01/50 6637 1 250-02/50</p>
<p><b>200-Pair Stubbed Disconnect Block with PVC Cable Stubs</b> <i>Quantity: 1</i></p> <p>Includes (20) 10-pair Series 2 disconnect blocks, label holder, (1) 21-position back mount frame. Blocks preterminated to (8) 25-pair unshielded PVC (24 AWG) cables (50'); cable stub exits through rear cable exit holes on back mount frame</p> <p>Mounts to mounting frame or support bars</p>	<p>18.44" x 4.88" x 3.69" (468.38 mm x 123 mm x 93.73 mm)</p>	6637 1 180-51/50





# Series 2 Connectivity

## Series 2 8-Pair Termination Block Systems

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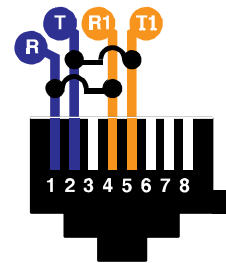
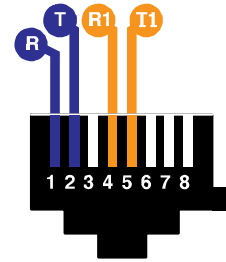
Twenty-Eight 2-Pair Channels, Unstuffed



Twenty-Eight 2-Pair Channels, Stuffed



Eight 2-Pair Channels, Unstuffed



### Features

- High-density wire termination system
- Support 4-wire circuits such as T1 or HDSL
- Disconnect blocks provide "look-both-ways" fault isolation, testing and qualification without removing wires
- Provide RJ48X or RJ48C handoff for easy access and circuit labeling
- Equipped with eight-position keyed modular jacks; pins 1, 2, 4 and 5 preterminated to 8-pair Series 2 blocks. When an RJ plug is removed, pin 1 shorts to pin 4 and pin 2 shorts to pin 5, via a shorting bar located in the jack. Upon insertion of a plug, the shorts are removed
- RJ48C versions can be used in conjunction with digital data jacks (smart jacks)
- Versatile patching options for easy changes or testing
- Preterminated blocks reduce installation time
- Superior contact performance
- Numerous labeling options
- Variety of mounting options on wall, in racks or cabinets

Ordering information follows on the next page



# Series 2 Connectivity

## Series 2 8-Pair Termination Block Systems

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### Ordering Information

Description	Dimensions (HxWxD)	Catalog Number
<p><b>(28) 2-Pair Channels with 8-Position Keyed Modular Jacks</b> <i>Quantity: 1</i>            Used to terminate HDSL service or to breakout T3 (DS3) circuit into (28) 2-pair channels. 8-position keyed modular jack; pins 1, 2, 4 and 5 preterminated to (7) 8-pair Series 2 blocks</p> <p>RJ48X modular jacks, no cable stub            RJ48C modular jacks, no cable stub            RJ48X modular jacks, (2) 50' cable stub            RJ48C modular jacks, (2) 50' cable stub</p>	<p>18.38" x 4.16" x 3.13"            (466.9 mm x 105.66 mm x 79.5 mm)</p>	<p>6635 1 140-27            6635 1 140-29            6635 1 140-28/50            6635 1 140-30/50</p>
<p><b>(8) 2-Pair Channels with 8-Position Keyed Modular Jacks</b> <i>Quantity: 1</i>            Used to terminate HDSL service or to breakout T3 (DS3) circuit into (8) 2-pair channels. 8-position keyed modular jack; pins 1, 2, 4 and 5 preterminated to (2) 8-pair Series 2 blocks</p> <p>RJ48X modular jacks, no cable stub            RJ48C modular jacks, no cable stub</p>	<p>5.25" x 4.16" x 3.13"            (133.35 mm x 105.66 mm x 79.5 mm)</p>	<p>6635 1 140-31            6635 1 140-32</p>



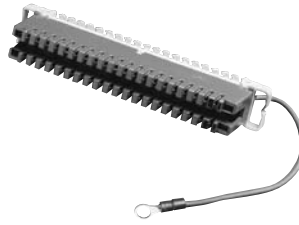
# Series 2 Connectivity

## Grounding Blocks

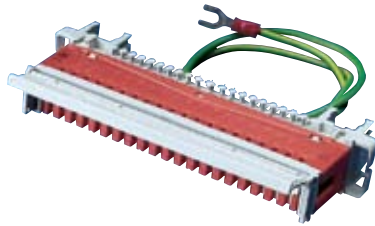
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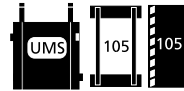
Ground Clip



Type 105 Grounding Block



Series 2 Ground Kit



### Ordering Information

Description	Dimensions (HxWxD)	Catalog Number
<p><b>Type 105 Grounding Block</b> <i>Quantity: 1</i>            Designed to provide common ground point for shielded cable drain wires; earth lead allows isolated ground connection. Snaps into Type 105 back mount frame or rod mount bracket.            NOTE: When used in rod mount bracket, ground clips must be used (2 clips per block)            Termination:              38 drain wires: 20 AWG              76 drain wires: 22 to 26 AWG (2 per contact)            Color: Red            Earth lead: 9.84" (250 mm), 16 AWG red</p>	<p>0.88" x 4.88" x 1.56"            (22.35 mm x 123 mm x 39.6 mm)</p>	<p>6089 2 017-00</p>
<p><b>Ground Clips</b> <i>Quantity: 1</i>            Snap onto each end of 8- or 10-pair Series 2 rod mount block to ground to rod mount bracket. Allows installation of 10-pair protection magazine when overvoltage protection is required</p>		<p>6089 3 202-00</p>
<p><b>Series 2 Rod Mount/Back-Mount Frame Ground Kit</b> <i>Quantity: 1</i>            Kit includes (1) 10-pair hinged label holder, (1) earth module capable of terminating 68 drain wires (2 per contact). Remove standard 10-pair block label holder and replace with earth module and hinged label holder</p>		<p>6638 1 180-24</p>

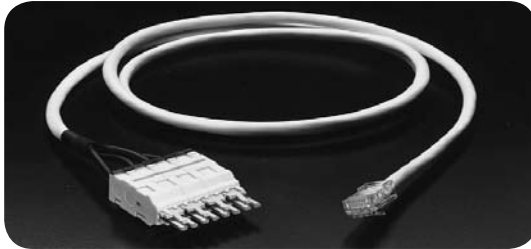


# Series 2 Connectivity

## Accessories

### Category 5 Patch Cords for Series 2 Blocks

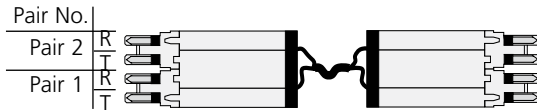
These patch cords are used in all Series 2 8-pair and 10-pair disconnect blocks and exceed Category 5 specifications for NEXT.



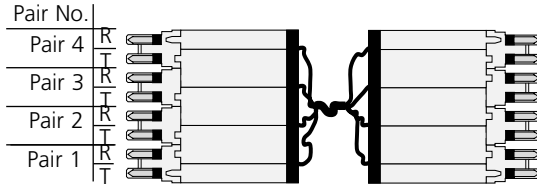
Category 5 Series 2 Patch Cords



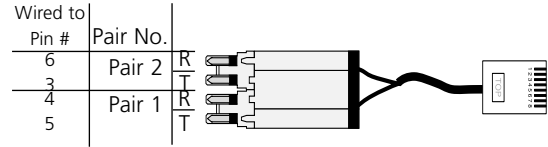
6647 2 000-XX



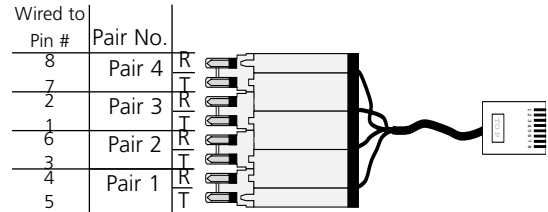
6647 2 753-XX



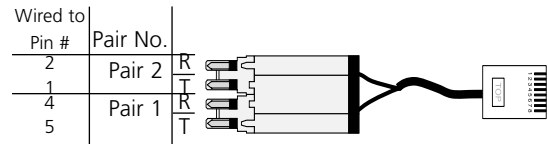
6647 2 752-XX



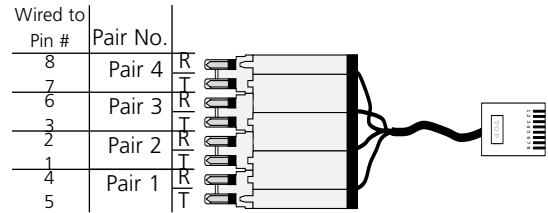
6647 2 762-XX



6647 2 750-XX



6647 2 782-XX



6647 2 751-XX

### Ordering Information

Description	Catalog Number*
<b>Series 2 Plug to Series 2 Plug</b> <i>Quantity: 1</i> Wired straight through, white cable	
1-pair	6647 2 000-XX
2-pair	6647 2 753-XX
4-pair	6647 2 752-XX
<b>Series 2 Plug to RJ45 (8P4C) Plug</b> <i>Quantity: 1</i> Wired T568A, white cable	
2-pair	6647 2 762-XX
4-pair	6647 2 750-XX
<b>Series 2 Plug to RJ45 (8P4C) Plug</b> <i>Quantity: 1</i> Wired T568B, white cable	
2-pair	6647 2 782-XX
4-pair	6647 2 751-XX

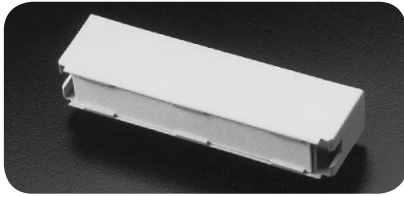
\*Replace XX with: 04 = 4'      15 = 15'  
07 = 7'      25 = 25'  
10 = 10'      50 = 50'



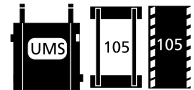
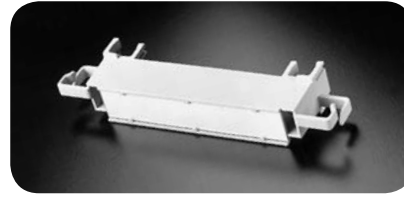
# Series 2 Connectivity

## Accessories

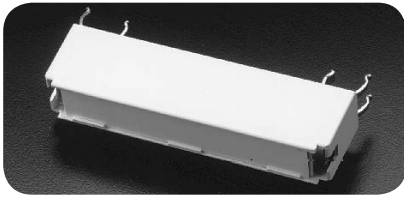
### Labeling for Series 2 Blocks



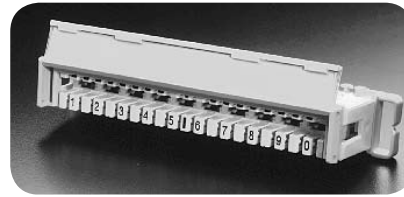
Type 85 Label Holder



Type 105 Label Holder



Type 85 Rod Mount Label Holder



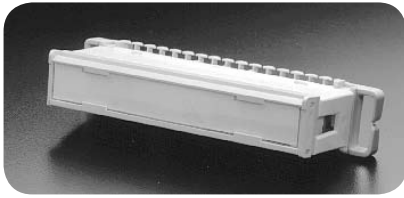
Type 105 Hinged Open



Type 105 Hinged Closed



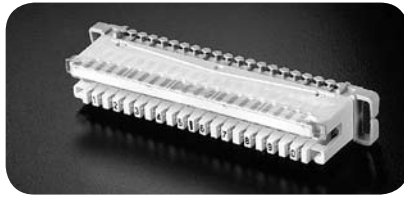
Type 85 Open



Type 85 Closed



Side-Mount Label Holder



Type 105 Label Strip, Slotted

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Ordering information follows on the next page



# Series 2 Connectivity

## Accessories

### Labeling for Series 2 Blocks

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Ordering Information		
Description	Dimensions (HxWxD)	Catalog Number
<p><b>Type 85 Label Holder</b> <i>Quantity: 1</i> Mounts onto Type 85 mounting bracket; each holder requires 1 block position on a mounting bracket. Large printable space allows groupings based on application. Includes paper label, plastic carrier and accepts label catalog number: 6631 3 100-04</p>	0.63" x 3.41" x 1.31" (16 mm x 86.6 mm x 33.27 mm)	6036 2 018-00
<p><b>Type 85 Rod-Mount Label Holder</b> <i>Quantity: 1</i> Mounts onto Type 85 rod mount bracket; each holder requires 1 block position. Includes paper label, plastic carrier and accepts label catalog number: 6631 3 100-02</p>	0.63" x 3.41" x 1.31" (16 mm x 86.6 mm x 33.27 mm)	6630 1 009-01
<p><b>Type 85 Hinged Label Holder</b> <i>Quantity: 1</i> Recommended for jumpered environments. Snaps onto block face to provide hinged cover over block termination contacts and patch/test ports. Includes paper label, clear plastic protective cover for each side of hinged cover and accepts label catalog number: 6631 3 100-02. Cover flips up for patching, cross-connecting, testing and monitoring</p>	0.63" x 3.5" x 0.63" (16 mm x 88.9 mm x 16 mm)	6036 2 005-02
<p><b>Side-Mount Label Holder</b> <i>Quantity: 1</i> Mounts onto side of either 8- or 10-pair Series 2 blocks. 2 side-mount label holders attach to each block; includes rectangular paper label with each holder</p>	0.63" x 1" x 0.31" (16 mm x 25.4 mm x 7.9 mm)	6462 2 016-00
<p><b>Type 105 Label Holder</b> <i>Quantity: 1</i> Includes jumper rings on both sides for additional wire management, paper label, plastic cover and accepts labels catalog number: 6631 3 106-XX Mounts onto Type 105 mounting bracket, Type 105 rod mount bracket or universal mounting system mounting bracket in Type 105 position. Each label holder requires one block position</p>	0.81" x 5.63" x 1.31" (20.57 mm x 143 mm x 33.27 mm)	6630 2 004-05
<p><b>Type 105 Hinged Label Holder</b> <i>Quantity: 1</i> Recommended for jumpered environments. Snaps onto block face to provide hinged cover over block termination contacts and patch/test ports. Includes paper label, clear plastic protective cover for each side of hinged cover and accepts label catalog number: 6631 3 100-03. Cover flips up for patching, cross-connecting, testing and monitoring. <i>Extends 0.38" (9.7 mm) from face of block</i></p>	0.63" x 4.31" x 0.63" (16 mm x 109.47 mm x 16 mm)	6089 2 015-01
<p><b>Type 105 Slotted Label Strip</b> <i>Quantity per pack: 10</i> Snaps onto face of 10-pair Series 2 block; covers only top row of block and is fully visible with patch cords in place. Includes one slide-in paper label (Catalog Number: 6631 3 102-XX) or can be written on directly</p>	0.81" x 4.25" x 0.88" (20.57 mm x 107.9 mm x 22 mm)	6462 2 096-00



# Series 2 Connectivity

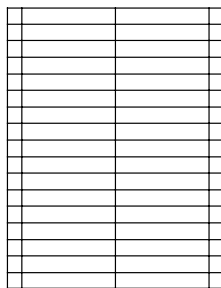
## Accessories

### Labeling for Series 2 Blocks

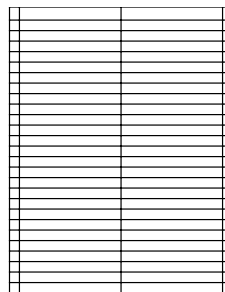
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Examples of TIA/EIA-606 Color Coding	
Color	Identifies
Orange	Demarcation point (e.g., central office terminations)
Green	Network connections (e.g., network and auxiliary equipment)
Purple	Common equipment, PBX, LANs, multiplexers (e.g., switching and data equipment)
White	First level backbone (e.g., main cross-connect [MC (campus distributor[CD])] to a horizontal cross-connect [HC (floor distributor [FD])] or to an intermediate cross-connect [IC (building distributor [BD])])
Gray	Second level backbone (e.g., IC [BD] to a HC [FD])
Blue	Horizontal cable (e.g., horizontal connections to telecommunications outlets; formerly referred to as "station cable")
Brown	Interbuilding backbone (campus cable terminations) NOTE: Brown takes precedence over white or gray for interbuilding runs
Yellow	Miscellaneous (e.g., auxiliary, alarms, security)
Red	Reserved for future use (also, key telephone systems)

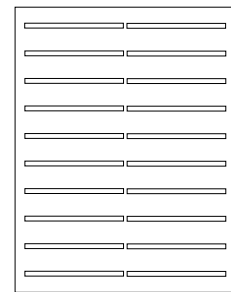
Based on ANSI/TIA/EIA-606-A, May 1, 2002



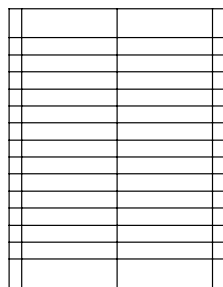
Label Sheet for Type 85 Label Holder



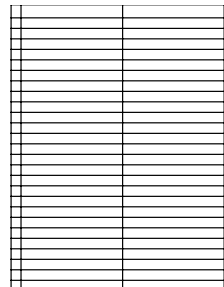
Label Sheet for Type 85 Rod Mount/Hinged Label Strip



Label Sheet for Type 105 Label Strip



Label Sheet for Type 105 Label Holder



Label sheet for Type 105 Hinged Label Holder

Ordering information follows on the next page



# Series 2 Connectivity

## Accessories

### Labeling for Series 2 Blocks

#### Ordering Information

Description	Catalog Number
<b>Paper Label Sheet for Type 85 Rod-Mount Label Holder</b> Labels come pre-cut on a white, 8.5" x 11" sheet, with 30 labels per sheet; accommodate hand or laser printing <i>Quantity: 1 sheet per package</i>	6631 3 100-04
<b>Paper Label Sheet for Type 85 Label Holder, Hinged Label Holder or Label Strip</b> Labels come pre-cut on a white, 8.5" x 11" sheet, with 50 labels per sheet; accommodate hand or laser printing <i>Quantity: 1 sheet per package</i>	6631 3 100-02
<b>Paper Label Sheets in TIA/EIA-606 Colors for Type 85 Label Holder, Hinged Label Holder or Label Strip</b> Labels come pre-cut on an 8.5" x 11" sheet with 50 labels per sheet; accommodate hand or laser printing <i>Quantity: 1 sheet per package</i>	6631 3 085-04*
<b>Paper Label Sheet for Type 105 Hinged Label Holder</b> Labels come pre-cut on a white 8.5" x 11" sheet, with 50 labels per sheet; accommodate hand or laser printing <i>Quantity: 1 sheet per package</i>	6631 3 100-03
<b>Paper Label Sheets in TIA/EIA-606 Colors for Type 105 Hinged Label Holder</b> Labels come pre-cut on an 8.5" x 11" sheet with 50 labels per sheet; accommodate hand or laser printing <i>Quantity: 1 sheet per package</i>	6631 3 105-XX*
<b>Paper Label Sheet for Type 105 Label Holder</b> Labels come pre-cut on a white 8.5" x 11" sheet, with 26 labels per sheet; accommodate hand or laser printing <i>Quantity: 1 sheet per package</i>	6631 3 106-XX*
<b>Paper Label Sheet for Type 105 Label Strip</b> Labels come perforated on an 8.5" x 11" sheet, 20 labels per sheet; accommodate hand or laser printing. Available in all TIA/EIA-606 specified colors, two colors per sheet (one color on each side) <i>Quantity: 1 sheet per package</i>	
Orange, red	6631 3 102-01/09
Green, purple	6631 3 102-02/03
White, blue	6631 3 102-04/06
Gray, brown	6631 3 102-05/07
Yellow, white	6631 3 102-08

6631 3 105-XX\* not available in -05 (brown) and -08 (white)

\*Replace XX with:

- 00 = orange
- 01 = green
- 02 = purple
- 03 = gray
- 04 = blue
- 05 = brown
- 06 = yellow
- 07 = red
- 08 = white



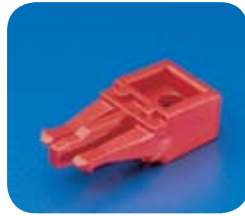


# Series 2 Connectivity Accessories

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Disconnect Plug



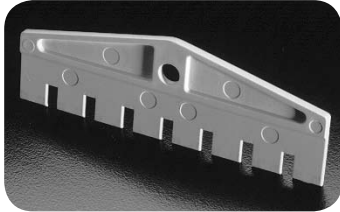
Flat-Top Dummy Plug



Winged Test Adapter



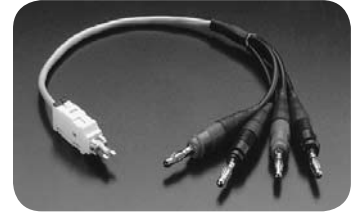
Signature Device



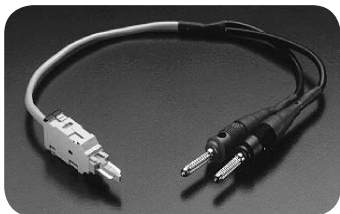
8-pair Disconnect Bar



Cable Clamp



"Look-Both-Ways" Test Cord



Bridging Test Cord



One-Pair Site-Mounted Test Cord



Marking Caps



Ground Clip



Dust Cover, 200-Pair

Ordering information follows on the next page



# Series 2 Connectivity

## Accessories

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### Ordering Information

Description	Dimensions (HxWxD)	Catalog Number
<b>Disconnect Plug</b> <i>Quantity: 1 (order in multiples of 100)</i> Color-coded plastic plugs plug into disconnect block to open a pair of contacts. Center hole for attaching ID tabs. Green <b>only</b>		6089 3 055-02
<b>Flat-Top Dummy Plugs</b> <i>Quantity: 1 (order in multiples of 100)</i> Color-coded, plastic dummy plugs designed to plug into disconnect block for quick identification of special circuits and to block port access. Surface for writing or attaching small adhesive stickers (not supplied). Center hole for attaching ID tabs Red White Blue		6417 3 105-00 6417 3 105-01 6417 3 105-07
<b>Marking Caps</b> <i>Quantity: 1 (order in multiples of 100)</i> Color-coded, plastic marking caps designed to snap over a block pair for quick identification of special circuits. Caps block access to prevent accidental removal of jumper wires, but do not interfere with patching Red White Blue		6089 3 006-00 6089 3 006-01 6089 3 006-07
<b>Ground Clips</b> <i>Quantity: 1</i> Snap onto each end of 8- or 10-pair Series 2 rod mount block to ground to rod mount bracket. Used with connect-style blocks, allowing installation of 10-pair protection magazine when secondary protection is required		6089 3 202-00
<b>Cable Clamp</b> <i>Quantity: 1</i> Used to ground 10-pair Series 2 block. Fits on back of 10-pair rod mount blocks to provide tie-off point for cable foil on braided shield	0.5" x 0.81" (12.7 mm x 20.64 mm)	6619 3 011-00
<b>Disconnect Bars</b> <i>Quantity: 1</i> Plug into disconnect blocks to open all contacts simultaneously. For cutover and other applications requiring numerous service disconnects. Made of plastic. <i>Extend 0.44" (11.11 mm) from face of block</i> 8-pair disconnect bar	0.13" x 2.88" x 1" (22.23 mm x 73.15 mm x 25.4 mm)	6418 3 405-00

Ordering information continues on the next page



# Series 2 Connectivity

## Accessories

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Ordering Information		
Description	Dimensions (HxWxD)	Catalog Number
<b>200-Pair Dust Cover</b> <i>Quantity: 1</i> Protects (20) 10-pair Series 2 blocks. Greater depth to clear overvoltage protection magazines or other devices. Allows approximately 1.25" (31.75 mm) clearance from face of block	17.75" x 5" x 2.75" (451 mm x 127 mm x 69.85 mm)	6638 2 000-00
<b>Winged Test Adapter</b> <i>Quantity: 1</i> Allows monitoring of circuit without disruption in Series 2 blocks		6646 2 928-00
<b>Signature Device</b> <i>Quantity: 25</i> Provides ability to remotely sectionalize subscriber line fault to either the customer or network side of installation site by bridging line at the customer's premises with voltage-level and voltage-polarity sensitive resistance. Provides signature for CO test equipment, even with customer side unterminated		6647 1 010-00
<b>Test Cords</b> <b>Series 2 Bridging Test Cord, 1-Pair with 2 Banana Plugs</b> <i>Quantity: 1</i> Used to test parallel to the circuit. Two banana plugs connect to test equipment		6646 2 900-XX*
<b>Series 2 "Look-Both-Ways" Test Cord</b> <i>Quantity: 1</i> Isolates cable side from jumper side for "look-both-ways" testing  1-pair with 4 banana plugs 1-pair with 4 alligator clips		6647 2 900-XX* 6647 2 906-XX*
<b>Series 2 1-Pair Site-Mounted Test Cord</b> <i>Quantity: 1</i> Monitor or "look-both-ways" test circuit with flip of a switch. Mounts on 1 position of back mount frame or directly a wall. Includes RJ11 jack to quickly isolate feeder or distribution network problems		6645 2 125-XX*

\*Replace XX with:

- 01 = 1'
- 04 = 4'
- 07 = 7'
- 10 = 10'



# Series NT Connectivity

## NT Termination Block System

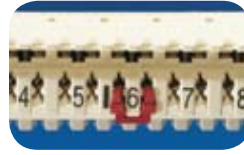
Like the Series 2 termination block system, the NT system features 45-degree angled silver-plated contacts, built-in test ports and insulation clamping ribs to protect the termination against vibration and mechanical stresses.

The cable side (feed) contacts on the NT block are situated at a right angle on the back side of the block. After the cable side contacts have been terminated and the blocks installed, access to the cable side contacts is blocked, preventing accidental access to these contacts.

The NT mounting pitch of 0.69-inch (17.5 mm) represents a vertical space saving of over 21 percent compared to standard Series 2 installations. Cable pairs are terminated with the KRONE® insertion tool and a full line of accessories is available.

### Features

- 100% compliant with Telcordia TR-NWT-001195
- UL 94V-0 plastic
- Available in disconnect, switching, connect contact styles
- >200 IDC reterminations guaranteed
- >750 test cord insertions guaranteed
- 21% vertical space saving compared to Series 2
- Prevents accidental access to cable side contact during cross-connect work
- Wire diameter range for solid and stranded copper conductors
  - 2 conductors per contact (same diameter) 22-26 AWG
  - 1 conductor per contact 22-26 AWG



NT Marking Cap



NT Hinged Label Holder (Closed)



NT Hinged Label Holder (Open)



NT Label Holder



NT Disconnect Plug



NT Back-Mount Frame



NT Disconnect Block

Ordering information follows on the next page



# Series NT Connectivity

## NT Termination Block System

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### Ordering Information

Description	Catalog Number
<b>10-Pair NT Disconnect Block</b> <i>Quantity: 1 (order in multiples of 10)</i> Normally closed contact. Snaps into NT back mount frame	7014 1 004-03
<b>10-Pair NT Footprint Ground Block</b> <i>Quantity: 1 (order in multiples of 10)</i> Terminates up to 20 drain wires. Snaps into NT back mount frame	7014 1 005-00
<b>NT to Series 2 Adapter</b> <i>Quantity: 1</i> Accepts any standard single pair Series 2 test cord for NT testing	7014 1 014-00
<b>Black NT Dummy Plug</b> <i>Quantity: 1 (order in multiples of 100)</i> Inserts into test/patch port of NT block for quick identification of special circuits. Plugs block access to pair and prevent accidental removal of jumper wires	7014 3 049-00
<b>Red NT Marking Caps</b> <i>Quantity: 1 (order in multiples of 100)</i> Snaps over block pair for quick identification of special circuits. Blocks access to pair and prevents accidental removal of jumper wires	6196 3 042-00
<b>Red NT Disconnect Plug</b> <i>Quantity: 1 (order in multiples of 100)</i> Insert into patch/test port of NT block to open (disconnect) circuit	7014 3 021-00
<b>NT 10-Pair Hinged Label Holder</b> <i>Quantity: 1</i> Snaps onto 10-pair NT block face to provide hinged cover over block termination contacts and patch/test ports. Includes label for each side of hinged cover, clear plastic protective cover. Cover flips up for testing, patching, cross-connection	7014 2 007-00
<b>NT 10-Pair Label Holder</b> <i>Quantity: 1</i> Requires 1 block position on NT back mount frame. Includes compartment for storing dummy plugs, marking caps, disconnect plugs	7014 2 006-00
<b>NT 1-Pair Site Mounted Test Cord</b> <i>Quantity: 1</i> Mounts on 1 position of back mount frame or directly on wall	6645 2 126-XX <sup>1</sup>
<b>NT 1-Pair "Look-Both-Ways" Test Cord</b> <i>Quantity: 1</i>	ANP-12NBA5-XXX
<b>NT Changeover Adapter</b> <i>Quantity: 1 (order in multiples of 10)</i>	7014 1 044-00

<sup>1</sup> Replace XX with:      XXX = Length of test cord in feet  
01 = 1'                      001 = 1'  
04 = 4'                      004 = 4'  
07 = 7'                      007 = 7'  
10 = 10'                     010 = 10'

Ordering information continues on the next page



# Series NT Connectivity

## NT Termination Block System

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### Ordering Information

Description	Catalog Number
<b>5-Position NT Back Mount Frame</b> <i>Quantity: 1</i> 50-pair capacity; includes space for label holder Solid back Cable entry holes (1.75" diameter: 1.5" with protective rubber grommet)	6655 2 850-05 6655 2 851-05
<b>10-Position NT Back Mount Frame</b> <i>Quantity: 1</i> 100-pair capacity; includes space for label holder Solid back Cable entry holes (1.75" diameter: 1.5" with protective rubber grommet)	6655 2 850-10 6655 2 851-10
<b>20-Position NT Back Mount Frame</b> <i>Quantity: 1</i> 200-pair capacity; includes space for label holder Solid back Cable entry holes (1.75" diameter: 1.5" with protective rubber grommet)	6655 2 850-20 6655 2 851-20
<b>30-Position NT Back Mount Frame</b> <i>Quantity: 1</i> 300-pair capacity; includes space for label holder Solid back Cable entry holes (1.75" diameter: 1.5" with protective rubber grommet)	6655 2 850-30 6655 2 851-30



# Series 2 Connectivity

## LSA-PLUS® Insertion Tool

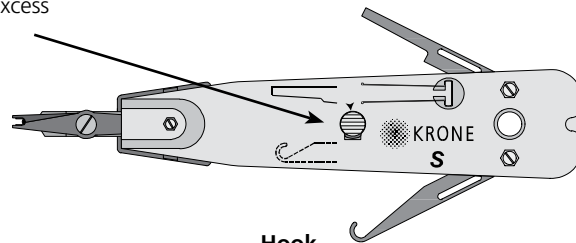
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KRONE Insertion Tool

**Inhibitor Lock**  
Prevents the automatic trimming of excess wire to enable daisy-chaining

**Blade**  
Used to remove termination blocks from back mount frames



**Hook**  
Used to grab and remove wires for changes

### Features

- Insertion sensor ensures the conductor is fully inserted into the block contacts before allowing any excess wire to be cut off
- An inhibitor lock prevents the scissors from operating—particularly useful in applications in which conductors are daisy-chained through several contacts
- Universal scissors cut a variety of cable types, including 20 AWG through 26 AWG and Type 1 foam-insulated conductors
- Specially designed wire hook removes terminated conductors
- Blade helps to remove blocks easily from back mount frames

### Ordering Information

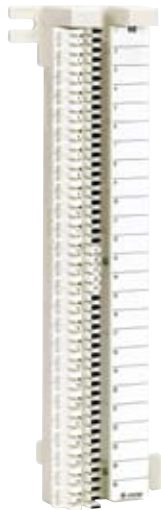
Description	Catalog Number
<b>Insertion Tool</b> <i>Quantity: 1</i>	6417 2 055-01
<b>Disposable Tool</b> <i>Quantity: 1</i> Terminates wire into contact, will not cut excess wire; snips required to cut off excess wire	6417 3 006-01



# 25 and 50 Pair Connectivity

## 89D Style 25-Pair and 50-Pair Termination Blocks and Assemblies

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25-Pair Block



50-Pair Block



5-Pair Block

### Features

- Upgrade from 66-type technology
- Unique center port allows monitoring and "look-both-ways" testing without disturbing IDC
- Double the density at the demarcation point
- Available in traditional 25- and 50-pair increments
- Fits 89D-style mounting brackets
- Preterminated blocks available with a range of connector styles and positioning option
- The K110 feature enables the termination of wire with either the KRONE insertion tool or any industry-standard punchdown tool with a 110 blade. Please note, the 5-pair disconnect block is not K110 compatible.

### Ordering Information

Description	Dimensions (HxWxD)	Catalog Number
<b>25-Pair Disconnect Block Assembly</b> <i>Quantity: 1</i> Field-terminated disconnect block; snaps into 89D bracket; includes label for empty half	10" x 3.38" x 1.38" (254 mm x 85.85 mm x 35.05 mm)	6639 1 003-01
<b>50-Pair Disconnect Block Assembly</b> <i>Quantity: 1</i> Field-terminated disconnect block; snaps into 89D bracket; includes label and label holder	10" x 3.38" x 1.38" (254 mm x 85.85 mm x 35.05 mm)	6652 1 880-10
<b>5-Pair Disconnect Block</b> <i>Quantity: 1</i> Field-terminated disconnect block; mounts directly to wall or in an enclosure. <b>This block is not K110 compatible</b>	2" x 2" x 1.25" (50.8 mm x 50.8 mm x 31.8 mm)	6585 2 002-00





# 25 and 50 Pair Connectivity

## 89D Style Preterminated 25-Pair Blocks

### 25-Pair Disconnect Block with 25-Pair Female Telco (RJ-21X) Connector



25-Pair Disconnect Block with Telco Connector

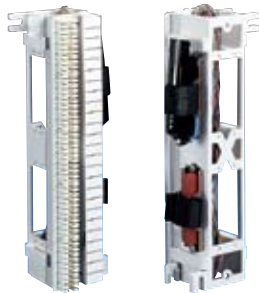
#### Features

- Used at demarcation points
- 25-pair block preterminated to 25-pair female Telco connector for customer interface
- Mounts to wall or in mounting frame
- Quantity: 1

#### Ordering Information

Description	Dimensions (HxWxD)	Catalog Number
25-Pair disconnect block with 25-pair female Telco (RJ-21X) connector	10" x 3.38" x 2.88" (254 mm x 85.85 mm x 73 mm)	6639 1 003-02

### 25-Pair Disconnect Block with RJ-71C



25-pair disconnect block with RJ-71C connector

#### Features

- For applications in which telephone service is provided in conjunction with apartment building door answering system
- Provides 12-line series connection with door answering system
- Shorting plug provided to test loop continuity or to bypass the answering system
- Mounts to wall or in mounting frame
- Quantity: 1

#### Ordering Information

Description	Dimensions (HxWxD)	Catalog Number
25-Pair disconnect block with RJ-71C	10" x 3.38" x 2.88" (254 mm x 85.85 mm x 73 mm)	6639 1 003-04



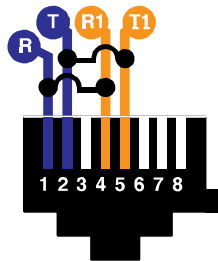
# 25 and 50 Pair Connectivity

## 89D Style Preterminated 25-Pair Blocks

### 25-Pair Disconnect Block with 8 RJ48X Connectors



25-Pair Disconnect Block with 8 RJ48X Connectors



RJ48X

#### Features

- Connects T1 lines and other 4-wire circuits
- The RJ48X is an 8-position keyed modular jack. Pins 1, 2, 4 and 5 are preterminated to the disconnect block. When RJ plug is removed, pin 1 shorts to pin 4 and pin 2 shorts to pin 5 via a shorting bar located in the jack. When a plug is inserted, the shorts are removed
- For shielded cable applications, pins 7 and 8 of the jack are also preterminated to the block (slate and brown conductors) so a common drain wire connection can be maintained throughout the circuit
- Mounts to wall or in mounting frame
- Quantity: 1

#### Ordering Information

Description	Dimensions (HxWxD)	Catalog Number
25-Pair disconnect block with 8 RJ48X connectors	10" x 3.38" x 2.88" (254 mm x 85.85 mm x 73 mm)	6639 1 003-03



# 25 and 50 Pair Connectivity

## 89D Style Preterminated 25-Pair Blocks

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### 25-Pair Disconnect Block with 12 RJ48S Connectors

- Features**
- Connects T1 lines and other 4-wire circuits
  - The RJ48S is an 8-position keyed modular jack with pins 1, 2, 7 and 8 preterminated to the disconnect block
  - Mounts to wall or in mounting frame
  - Quantity: 1

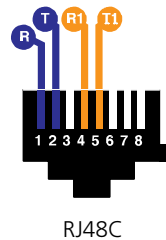


25-Pair Disconnect Block with 12 RJ48S Connectors

Ordering Information		
Description	Dimensions (HxWxD)	Catalog Number
25-Pair disconnect block with 12 RJ48S connectors	10" x 3.38" x 2.88" (254 mm x 85.85 mm x 73 mm)	6639 1 003-05

### 25-Pair Disconnect Block with 12 RJ48C Connectors

- Features**
- Connects T1 lines and other 4-wire circuits
  - The RJ48C is an 8-position keyed modular jack with pins 1, 2, 4 and 5 preterminated to the disconnect block
  - Mounts to wall or in mounting frame
  - Quantity: 1



Ordering Information		
Description	Dimensions (HxWxD)	Catalog Number
25-Pair disconnect block with 12 RJ48C connectors	10" x 3.38" x 2.88" (254 mm x 85.85 mm x 73 mm)	6639 1 003-18



# 25 and 50 Pair Connectivity

## 89D Style Preterminated 25-Pair Blocks

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### 25-Pair Disconnect Block with 12 RJ48S and 25-Pair Female Telco (RJ-21X) Connector

#### Features

- Connects T1 lines and other 4-wire circuits
- The RJ48S is an 8-position keyed modular jack with pins 1, 2, 7 and 8 preterminated to the disconnect block
- 25-pair female Telco (RJ-21X) connector is preterminated to the disconnect block, eliminating the need for field termination
- Mounts to wall or in mounting frame
- Quantity: 1



25-Pair Disconnect Block with 12 RJ48S Connectors and Telco Connector

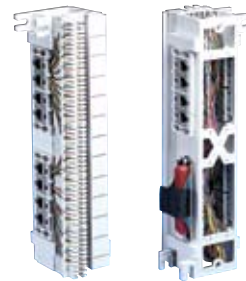
#### Ordering Information

Description	Dimensions (HxWxD)	Catalog Number
25-Pair disconnect block with 12 RJ48S and 25-pair female Telco (RJ-21X) connector	10" x 3.38" x 2.88" (254 mm x 85.85 mm x 73 mm)	6639 1 003-07

### 25-Pair Disconnect Block with 12 RJ14C and 25-Pair Female Telco (RJ-21X) Connector

#### Features

- Used for bridged connections to the tip and ring conductors of 2 separate telephone lines
- The RJ14C is a 6-position modular jack with pins 2, 3, 4 and 5 preterminated to the disconnect block
- The 25-pair female Telco (RJ-21X) connector is preterminated to the disconnect block, eliminating the need for field termination
- Mounts to wall or in mounting frame
- Quantity: 1



25-Pair Disconnect Block with 12 RJ14C Connectors and Telco Connector



#### Ordering Information

Description	Dimensions (HxWxD)	Catalog Number
25-Pair disconnect block with 12 RJ14C and 25-pair female Telco (RJ-21X) connector	10" x 3.38" x 2.88" (254 mm x 85.85 mm x 73 mm)	6639 1 003-06

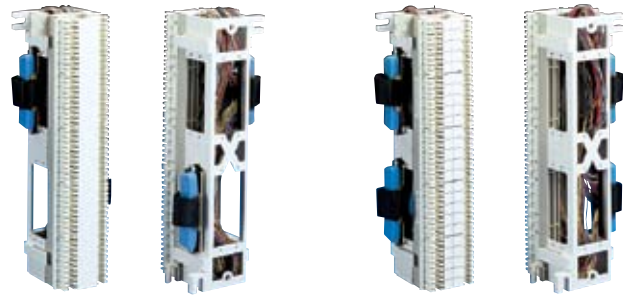
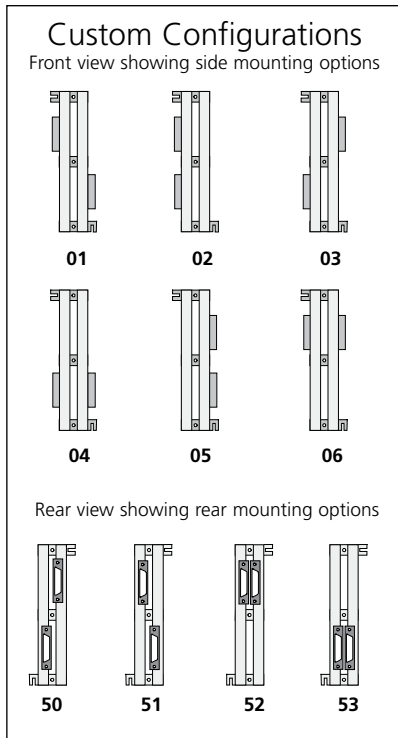


# 25 and 50 Pair Connectivity

## 89D Style Preterminated 50-Pair Blocks

### 50-Pair Disconnect Block with (2) 25-Pair Telco (RJ-21X) Connectors

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Configuration/01: Connectors Top Left, Bottom Right

Configuration/02: Both Connectors on Left Side

#### Features

- Used at demarcation points
- Disconnect block is preterminated to (2) 25-pair female or male Telco (RJ-21X) connectors for customer interface
- Includes 89D bracket, hook-and-loop fastener locks, label and label holder
- Blocks can be custom configured: Use chart on this page, substituting the 2-digit number for "01" at the end of the catalog number
- Mounts directly to wall or in mounting frames
- Quantity: 1

#### Ordering Information

Description	Dimensions (HxWxD)	Catalog Number
50-Pair disconnect block with (2) 25-pair <b>female</b> Telco (RJ-21X) connectors	10" x 3.38" x 2.88" (254 mm x 85.85 mm x 73 mm)	6639 1 051-02/01
50-Pair disconnect block with (2) 25-pair <b>male</b> Telco (RJ-21X) connectors	10" x 3.38" x 2.88" (254 mm x 85.85 mm x 73 mm)	6639 1 050-02/01

#### Tech Tip

When wiring 50-pair blocks with 4-pair data cable, you do not need to skip every fifth pair for patching purposes. In a jumpered environment, terminate all 25 pairs on each side.



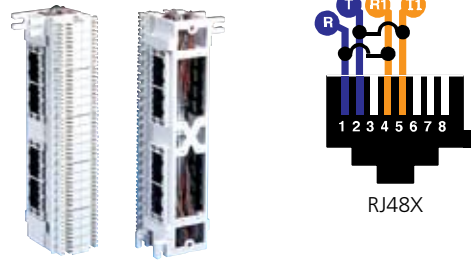
# 25 and 50 Pair Connectivity

## 89D Style Preterminated 50-Pair Blocks

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### 50-Pair Disconnect Block with 16 RJ48X Connectors

- Features**
- The RJ48X is an 8-position keyed modular jack with pins 1, 2, 4 and 5 preterminated to the disconnect block. When RJ plug is removed, pin 1 shorts to pin 4 and pin 2 shorts to pin 5 via a shorting bar located in the jack. When a plug is inserted, the shorts are removed
  - Mounts directly to wall or in mounting frames
  - Quantity: 1



50-Pair Disconnect Block with 16 RJ48X Connectors

### Ordering Information

Description	Dimensions (HxWxD)	Catalog Number
50-Pair disconnect block with 16 RJ48X connectors	10" x 3.38" x 2.88" (254 mm x 85.85 mm x 73 mm)	6639 1 050-32

### 50-Pair Disconnect Block with 16 RJ48X Connectors Modified for Shielded Applications

- Features**
- Connects T1 lines and other 4-wire circuits
  - The RJ48X is an 8-position keyed modular jack with pins 1, 2, 4 and 5 preterminated to the disconnect block
  - For shielded cable applications, pins 7 and 8 of the jack are preterminated to the block (slate and brown conductors) so a common drain wire connection can be maintained throughout the circuit
  - Mounts directly to wall or in mounting frames
  - Quantity: 1

### Ordering Information

Description	Dimensions (HxWxD)	Catalog Number
50-Pair disconnect block with 16 RJ48X connectors modified for shielded applications	10" x 3.38" x 2.88" (254 mm x 85.85 mm x 73 mm)	6639 1 050-33



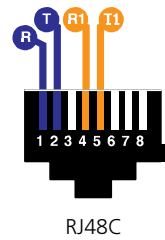
# 25 and 50 Pair Connectivity

## 89D Style Preterminated 50-Pair Blocks

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### 50-Pair Disconnect Block with 16 RJ48C Connectors

- Features**
- Connects T1 lines and other 4-wire circuits
  - The RJ48C is an 8-position keyed modular jack with pins 1, 2, 4 and 5 preterminated to the disconnect block
  - Mounts directly to wall or in mounting frames
  - Quantity: 1

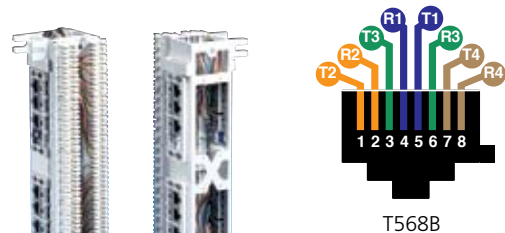


**Ordering Information**

Description	Dimensions (HxWxD)	Catalog Number
50-Pair disconnect block with 16 RJ48X connectors	10" x 3.38" x 2.88" (254 mm x 85.85 mm x 73 mm)	6639 1 050-44

### 50-Pair Disconnect Block with 12 RJ45 Connectors

- Features**
- The RJ45 is an 8-position keyed modular jack with pins 5, 4, 1, 2, 3, 6, 7 and 8 (wired TIA 568-B) preterminated to the disconnect block
  - Includes label and label holder
  - Mounts directly to wall or in mounting frames
  - Quantity: 1



50-Pair Disconnect Block with 12 RJ45 Connectors

**Ordering Information**

Description	Dimensions (HxWxD)	Catalog Number
50-Pair disconnect block with 12 RJ45 connectors	10" x 3.38" x 2.88" (254 mm x 85.85 mm x 73 mm)	6639 1 052-01



# 25 and 50 Pair Connectivity

## 89D Style Preterminated 50-Pair Blocks

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### 50-Pair Disconnect Block with ARMM Stub

#### Features

- Incoming cable pairs are preterminated to ARMM (24 AWG, CMR) cable
- 15-foot cable stub exits through top of 89D bracket
- Includes label and label holder
- Quantity: 1



50-Pair Disconnect Block with ARMM Stub

#### Ordering Information

Description	Dimensions (HxWxD)	Catalog Number
50-Pair disconnect block with ARMM Stub—15'	10" x 3.38" x 2.88" (254 mm x 85.85 mm x 73.15 mm)	6639 1 056-01/15

### 50-Pair Disconnect Block with ARMM Stub and (2) 25-Pair Male Telco (RJ-21X) Connectors

#### Features

- Incoming cable pairs are preterminated to ARMM (24 AWG, CMR) cable
- 20-foot cable stub exits through top of 89D bracket
- Two 25-pair male Telco (RJ-21X) connectors are preterminated to the disconnect block, eliminating need for field termination
- Includes label and label holder
- Quantity: 1



50-Pair Disconnect Block with ARMM Stub and Connectors

#### Ordering Information

Description	Dimensions (HxWxD)	Catalog Number
50-Pair disconnect block with ARMM stub and (2) 25-pair male Telco (RJ-21X) connectors. Cable stub: 20'	10" x 3.38" x 2.88" (254 mm x 85.85 mm x 73.15 mm)	6639 1 056-00/20

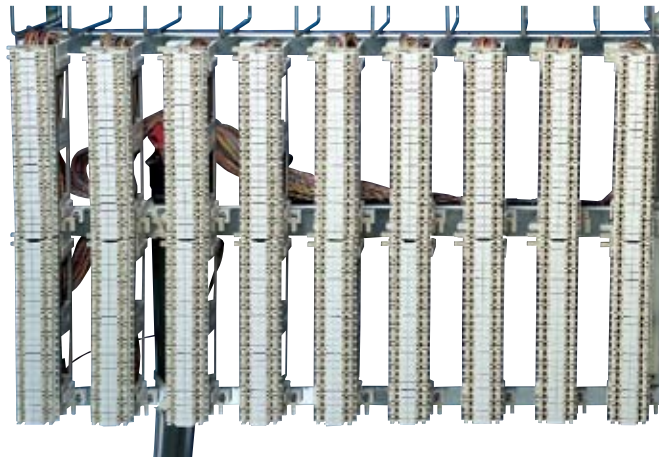




# 25 and 50 Pair Connectivity

## 89D Style Preterminated 50-Pair Blocks with Stubs

### Disconnect Frame with ARMM Stub



900-Pair Disconnect Frame with ARMM Stub

#### Features

- Incoming cable pairs of each block are preterminated to a 600- or 900-pair ARMM (24 AWB, CMR) cable
- Cable stubs exit through bottom of frame
- Frame is equipped with (18) 50-pair disconnect blocks mounted on 89D brackets
- Includes label holders and labels
- Mounts directly to wall or in standard 35.5" (901.7 mm) equipment rack

#### Ordering Information

Description	Dimensions (HxWxD)	Catalog Number
<b>600-Pair Disconnect Frame with ARMM Stub</b>	23" x 23" x 7" (584 mm x 584 mm x 178 mm)	6639 1 600-00/25 6639 1 600-00/50
With 25' ARMM stub With 50' ARMM stub		
<b>900-Pair Disconnect Frame with ARMM Stub</b>	23" x 35" x 7" (584 mm x 889 mm x 178 mm)	6639 1 900-00/25 6639 1 900-00/50
With 25' ARMM stub With 50' ARMM stub		



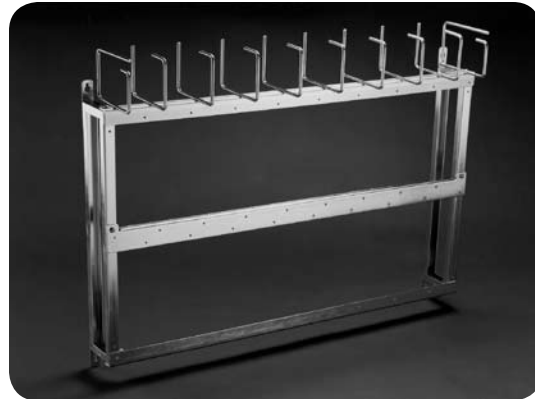
# 25 and 50 Pair Connectivity

## 89D Style Mounting Frames

These mounting frames are for 25-pair and 50-pair block systems only. They are specifically designed to accept 89D type brackets.



19" Wide Mounting Frame for 25- and 50-Pair Block Systems



35.5" Wide Mounting Frame for 25- and 50-Pair Block Systems

### Ordering Information

Description	Dimensions (HxWxD)	Catalog Number
<b>19" Mounting Frame</b> <i>Quantity: 1</i> Supports up to (10) 25- or 50-pair blocks on 89D brackets. Equipped with 6 jumper rings for cross-connect wire and/or patch cord routing  Without 89D brackets With (10) 89D brackets	26.38" x 19.25" x 6.5" (670 mm x 589 mm x 159 mm)	6652 2 104-00 6652 2 104-10
<b>23" Mounting Frame</b> <i>Quantity: 1</i> Supports up to (12) 25- or 50-pair blocks on 89D brackets. Equipped with 7 jumper rings for cross-connect wire and/or patch cord routing  Without 89D brackets With (12) 89D brackets	26.38" x 23" x 6.5" (670 mm x 589.6 mm x 159 mm)	6652 2 108-00 6652 2 108-12
<b>35.5" Mounting Frame</b> <i>Quantity: 1</i> Supports up to (18) 25- or 50-pair blocks on 89D brackets. Equipped with 10 jumper rings for cross-connect wire and/or patch cord routing  Without 89D brackets With (18) 89D brackets	26.38" x 35.5" x 6.5" (670 mm x 901.7 mm x 159 mm)	6652 2 105-00 6652 2 105-18

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# 25 and 50 Pair Connectivity

## 89D Style Termination Block Accessories

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50-Pair Label Holder



Clear Dust Cover  
(Shown on 50-Pair Block)



Hinged Dust Cover  
(Closed)



Hinged Dust Cover  
(Right Side Open)



89D Bracket

### Ordering Information

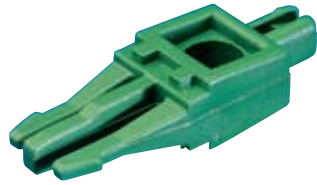
Description	Dimensions (HxWxD)	Catalog Number
<b>50-Pair Block Center Mount Label Holder</b> <i>Quantity: 1</i> Snaps into center section of 50-pair block to cover cable side terminations	9.88" x 0.88" (250.9 mm x 22.4 mm)	6639 3 017-11
<b>Clear Dust Cover</b> <i>Quantity: 1</i> Clear, protective plastic dust cover snaps over 50-pair block. Accepts adhesive paper label strip Paper Labeling Strip for 50-Pair Dust Cover <i>Quantity: 1</i>	10.06" x 2.5" x 1.38" (255.5 mm x 63.5 mm x 35.05 mm)  9.75" x 2.13" (247.65 mm x 54.1 mm)	6586 3 004-00  6639 3 019-01
<b>Hinged Dust Cover</b> <i>Quantity: 1</i> Designed for 50-pair block; left and right sides swing open independently for access; labeling areas inside both sides of cover; includes 2 snap-in legs and covers Color: orange	10.06" x 2.5" x 1.38" (255.5 mm x 63.5 mm x 35.05 mm)	6639 2 004-00
<b>89D Bracket for 25- and 50-Pair Blocks</b> <i>Quantity: 1</i> Standard 89D stand-off bracket mounts to mounting frame or directly to wall	10" x 3.38" x 1.5" (254 mm x 85.85 mm x 38.1 mm)	6639 3 016-00



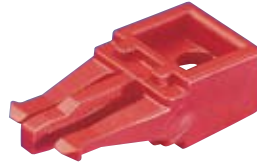
# 25 and 50 Pair Connectivity

## 89D Style Termination Block Accessories

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Disconnect Plug



Flat-Top Dummy Plug

### Ordering Information

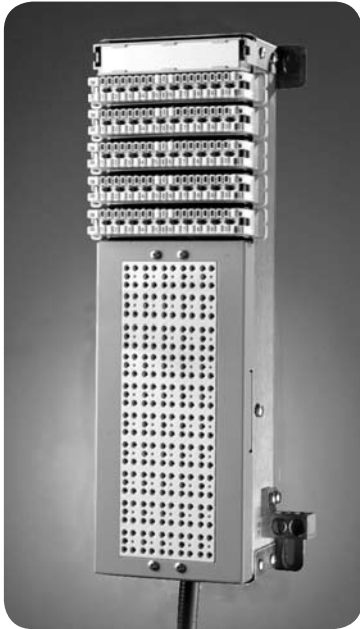
Description	Catalog Number
<b>Disconnect Plug</b> <i>Quantity: 1 (order in multiples of 100)</i> Color-coded plastic plugs plug into disconnect block to open a pair of contacts. Center hole for attaching ID tabs. Green <b>only</b>	6089 3 055-02
<b>Flat-Top Dummy Plugs</b> <i>Quantity: 1 (order in multiples of 100)</i> Color-coded, plastic dummy plugs designed to plug into disconnect block for quick identification of special circuits and to block port access. Surface for writing or attaching small adhesive stickers (not supplied). Center hole for attaching ID tabs	
<b>Red</b>	6417 3 105-00
<b>White</b>	6417 3 105-01
<b>Blue</b>	6417 3 105-07



# Building Entrance Protection

## Building Entrance Terminals: Protection Devices

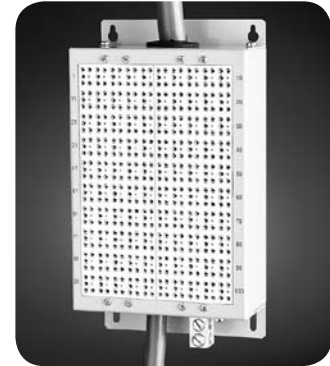
### High-Density 5-Pin Protection



50-Pair 5-Pin Protection  
Building Entrance Terminal



25-Pair 5-Pin Protection  
Building Entrance Terminal



100-Pair 5-Pin Protection Only  
Building Entrance Terminal with  
Top and Bottom Stubs

#### Features

- High-density primary protection allows up to eighteen (double-sided) 100-pair units to be mounted in a standard 7-foot, 19-inch rack
- 26 AWG cable stub is provided for splicing to the incoming 24 AWG cable
- Building entrance terminals available with 5-pin protectors in 25-, 50- and 100-pair units
- 5-pin protectors are rated 300 volts
- Allow "look-both-ways" testing and monitoring without removing wires or protection
- Numerous labeling options allow comprehensive marking
- Variety of mounting hardware options
- UL 497 listed
- 100% compliant with Telcordia TR-NWT-000937

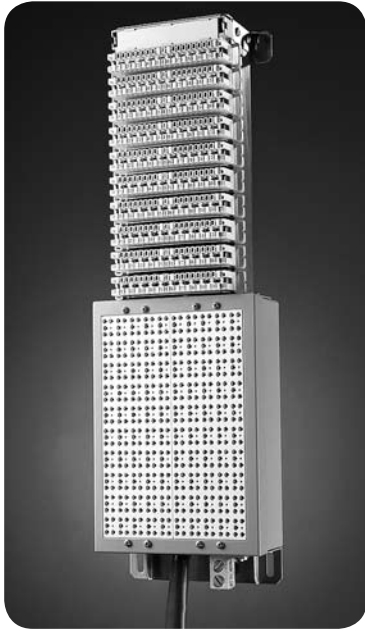


# Building Entrance Protection

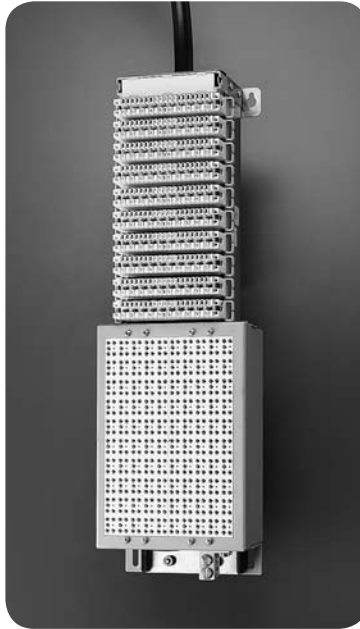
Building Entrance Terminals: Protection Devices

## High-Density 5-Pin Protection

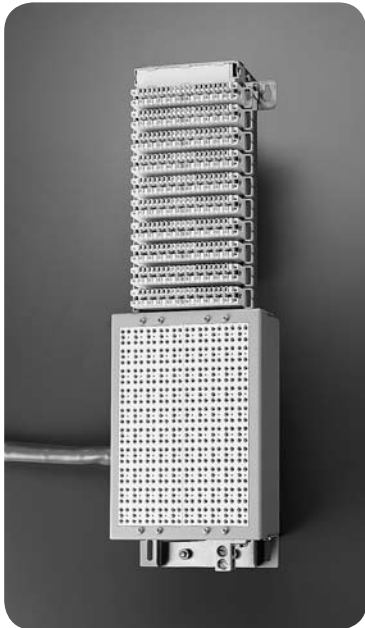
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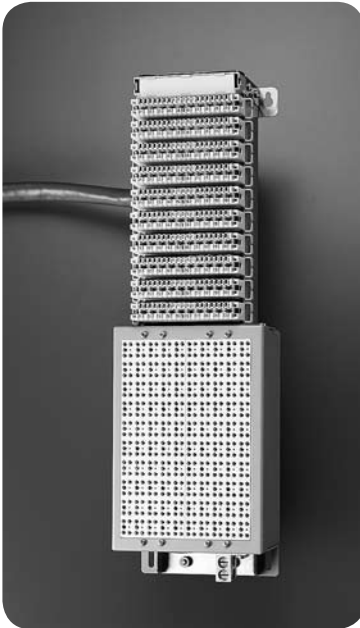
100-Pair 5-Pin Protection  
Building Entrance Terminal with  
Bottom Entrance Stub



100-Pair 5-Pin Protection  
Building Entrance Terminal with  
Top Entrance Stub



100-Pair 5-Pin Protection  
Building Entrance Terminal with  
Bottom Rear Entrance Stub



100-Pair 5-Pin Protection  
Building Entrance Terminal with  
Top Rear Entrance Stub

Ordering information follows on the next page



# Building Entrance Protection

## Building Entrance Terminals: Protection Devices

### High-Density 5-Pin Protection Building Entrance Terminals

#### Ordering Information

Description	Dimensions (HxWxD)	Catalog Number*
<b>25-Pair, Bottom Entrance Stub</b> <i>Quantity: 1</i>	8.75" x 6" x 4.88" (222.3 mm x 152.4 mm x 123.9 mm)	6649 1 110-01/XX
<b>50-Pair, Bottom Entrance Stub</b> <i>Quantity: 1</i>	14" x 6" x 4.88" (355.6 mm x 152.4 mm x 123.9 mm)	6649 1 210-01/XX
<b>100-Pair, Bottom Entrance Stub</b> <i>Quantity: 1</i> 5-pin protectors included 5-pin protectors included; (4) 25-pin Telco (RJ-21X) connectors mounted on back for fast installation	19.88" x 6.06" x 4.88" (505 mm x 153.9 mm x 123.9 mm)	6649 1 310-01/XX 6649 1 313-01/XX
<b>100-Pair, Top Entrance Stub</b> <i>Quantity: 1</i>	19.88" x 6.06" x 4.88" (505 mm x 153.9 mm x 123.9 mm)	6649 1 310-03/XX
<b>100-Pair, Bottom Rear Entrance Stub</b> <i>Quantity: 1</i> 5-pin protectors included 5-pin protectors included; (4) 25-pin Telco (RJ-21X) connectors mounted on back for fast installation	19.88" x 6.06" x 4.88" (505 mm x 153.9 mm x 123.9 mm)	6649 1 310-02/XX 6649 1 313-02/XX
<b>100-Pair, Top Rear Entrance Stub</b> <i>Quantity: 1</i>	19.88" x 6.06" x 4.88" (505 mm x 153.9 mm x 123.9 mm)	6649 1 310-04/XX
<b>100-Pair, Bottom and Top Stubs</b> <i>Quantity: 1 Protection Field Only</i>	10.75" x 6.06" x 2.75" (273.1 mm x 153.9 mm x 69.85 mm)	6649 1 316-05/XX

\*Replace XX with:

25 = 25'

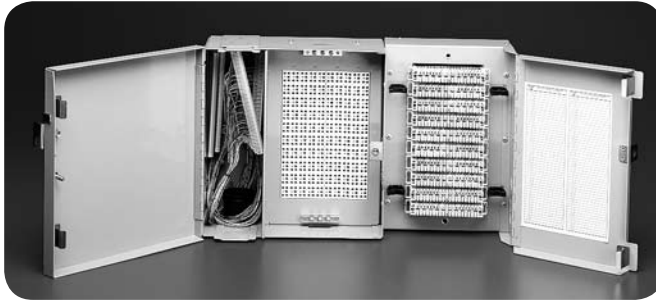
50 = 50'



# Building Entrance Protection

## Building Entrance Terminals: Protection Devices

### 5-Pin Indoor and Outdoor Enclosed Building Entrance Terminals



100-Pair Indoor Enclosed 5-Pin Building Entrance Terminal with Doors Open



100-Pair 5-Pin Indoor Enclosed Building Entrance Terminal with Doors Closed—with RJ-21X Output Shown

#### Features

- 5-pin protection devices safeguard valuable cable plant and equipment from voltage surges and spikes
- Lockable metal enclosure with Telco override cover and a splicing chamber with the choice of either 710 or MS<sup>2</sup>® splice connectors
- 5-pin protectors are rated 300 volts
- 10-pair Series 2 disconnect block output field provided for cross-connection, "look-both-ways" testing and monitoring without removing wires or protectors
- 25-pair female Telco (RJ-21X) connectors available on indoor units
- Lightweight, compact and fully stackable
- Instructions, template and mounting hardware included to mount the terminal directly to a wall
- UL 497 listed
- 100% compliant with Telcordia TR-NWT-000937

MS<sup>2</sup>® is a registered trademark of 3M

Ordering information follows on the next page





# Building Entrance Protection

## Building Entrance Terminals: Protection Devices

### 5-Pin Indoor and Outdoor Enclosed Building Entrance Terminals

#### Ordering Information

Description	Dimensions (HxWxD)	Catalog Number
<b>25-Pair Indoor</b> enclosed 5-pin building entrance terminal <i>Quantity: 1</i> 710 splice connector input MS <sup>2</sup> <sup>®</sup> splice connector input	13.88" x 19.63" x 6.38" (352.55 mm x 499 mm x 162 mm)	6649 1 430-09 6649 1 470-09
<b>25-Pair Outdoor</b> <i>Quantity: 1</i> 710 splice connector input MS <sup>2</sup> <sup>®</sup> splice connector input	11.35" x 10.65" x 6.08" (288.29 mm x 270.15 mm x 154.43 mm)	6649 1 720-00 6649 1 760-00
<b>50-Pair indoor</b> <i>Quantity: 1</i> 710 splice connector input MS <sup>2</sup> <sup>®</sup> splice connector input 710 splice connector input and RJ-21X optional output MS <sup>2</sup> <sup>®</sup> splice connector input and RJ-21X optional output	11.25" x 15.63" x 5.38" (285.75 mm x 397 mm x 136.65 mm)	6649 1 530-00 6649 1 570-00 6649 1 530-09  6649 1 570-09
<b>50-Pair Outdoor</b> <i>Quantity: 1</i> 710 splice connector input MS <sup>2</sup> <sup>®</sup> splice connector input	13.88" x 19.63" x 6.38" (352.55 mm x 499 mm x 162 mm)	6649 1 820-00 6649 1 860-00
<b>100-pair indoor</b> enclosed 5-pin building entrance terminal <i>Quantity: 1</i> 710 splice connector input MS <sup>2</sup> <sup>®</sup> splice connector input 710 splice connector input and RJ-21X optional output MS <sup>2</sup> <sup>®</sup> splice connector input and RJ-21X optional output	11.25" x 18.25" x 5.38" (285.75 mm x 463.55 mm x 136.65 mm)	6649 1 630-00 6649 1 670-00 6649 1 630-09  6649 1 670-09
<b>100-Pair Outdoor</b> <i>Quantity: 1</i> 710 splice connector input MS <sup>2</sup> <sup>®</sup> splice connector input	7.5" x 15.5" x 5.4"	6649 1 920-00 6649 1 960-00

Other configurations available; please contact ADC Technical Assistance Center  
MS<sup>2</sup><sup>®</sup> is a registered trademark of 3M



# Building Entrance Protection

## Building Entrance Terminals: Protection Devices

### 10-Pair Magazine Protection



100-Pair Magazine Protection  
Building Entrance Terminal Bottom  
Entrance Stub



50-Pair Magazine Protection  
Building Entrance Terminal Bottom  
Entrance Stub



25-Pair Magazine Protection  
Building Entrance Terminal Bottom  
Entrance Stub

#### Features

- High-density primary protection
- Solid-state protection devices safeguard valuable cable plant and equipment from voltage surges and spikes
- Protector units are solid-state (320V median voltage rating) and equipped with individual fail-safe devices
- Wall or rack mount magazine protection building entrance terminals for protection of 25-, 50- and 100-pairs
- Each building entrance terminal equipped with solid-state protectors and a 26 AWG stub cable for splicing to the incoming 24 AWG cable, providing a built-in fuse link
- A 10-pair connector block (gray) field holds the protection magazines; connect block field is internally wired with 24 AWG cable to the disconnect block field
- A 10-pair disconnect block (white) field is provided for cross-connection, patching, "look-both-ways" testing, circuit monitoring, circuit disconnecting and marking without having to remove the protection magazines or wires
- Available with stubs that exit through the bottom, top or rear of the terminal
- UL 497 listed
- 10-pair protection magazine assemblies snap into 10-pair blocks
- 100% compliant with Telcordia TR-NWT-000937
- Mounting hardware is included for mounting directly to a wall or on back mount frames or support bars

Ordering information follows on the next page

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# Building Entrance Protection

## Building Entrance Terminals: Protection Devices

### 10-Pair Magazine Protection Building Entrance Terminals

#### Ordering Information

Description	Dimensions (HxWxD)	Catalog Number*
<b>25-Pair</b> , bottom entrance stub <i>Quantity: 1</i>	6.25" x 5.75" x 5.06" (158.75 mm x 146.05 mm x 128.52 mm)	6659 1 025-32/XX
<b>50-Pair</b> , bottom entrance stub <i>Quantity: 1</i>	9.81" x 5.75" x 5.06" (249.17 mm x 146.05 mm x 128.52 mm)	6637 1 320-18/XX
<b>100-Pair</b> <i>Quantity: 1</i>  Bottom entrance stub Bottom rear entrance stub Top entrance stub	18.56" x 5.75" x 5.06" (471.42 mm x 146.05 mm x 128.52 mm)	6637 1 320-19/XX 6659 1 132-87/XX 6659 1 132-48/XX

\*Replace XX with:

25 = 25'

50 = 50'

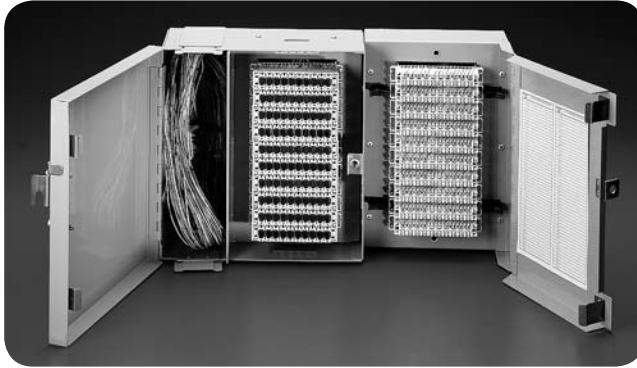
Other configurations available; please contact ADC Technical Assistance Center



# Building Entrance Protection

## Building Entrance Terminals: Protection Devices

### 10-Pair Magazine Protection Indoor and Outdoor Enclosed Building Entrance Terminals



100-Pair Indoor Enclosed Magazine Building Entrance Terminal with Doors Open



100-Pair Indoor Enclosed Magazine Building Entrance Terminal with Doors Closed—RJ-21X Output Shown

#### Features

- Enclosed 10-pair magazine protection building entrance terminals for the overvoltage protection of 100 pairs
- Protector units are solid-state (320 volt median voltage rating) and equipment with individual fail-safe devices
- Lockable metal enclosure with Telco override cover, a splicing chamber with the choice of either 710 or MS2<sup>®</sup> splice connectors and a ground strap
- 10-pair connect block field holds the protection magazines
- 10-pair Series 2 disconnect block output field provided for cross-connection, "look-both-ways" testing and monitoring without removing wires or protectors
- 25-pair female Telco (RJ-21X) connectors available on indoor units
- Lightweight, compact and fully stackable
- Instructions, template and mounting hardware included to mount the terminal directly to a wall
- UL 497 listed
- 100% compliant with Telcordia TR-NWT-000937

MS2<sup>®</sup> is a registered trademark of 3M

Ordering information follows on the next page



# Building Entrance Protection

Building Entrance Terminals: Protection Devices

10-Pair Magazine Protection Indoor and Outdoor  
Enclosed Building Entrance Terminals

## Ordering Information

Description	Dimensions (HxWxD)	Catalog Number
<b>100-Pair Indoor</b> <i>Quantity: 1</i> 710 splice connector input MS <sup>2</sup> ® splice connector input 710 splice connector input and RJ-21X optional output	11.25" x 18.25" x 5.38" (285.75 mm x 463.55 mm x 136.65 mm)	6659 1 132-77 6659 1 132-78 6659 1 132-79
MS <sup>2</sup> ® splice connector input and RJ-21X optional output		6659 1 132-80

Other configurations available; please contact ADC Technical Assistance Center  
MS<sup>2</sup>® is a registered trademark of 3M

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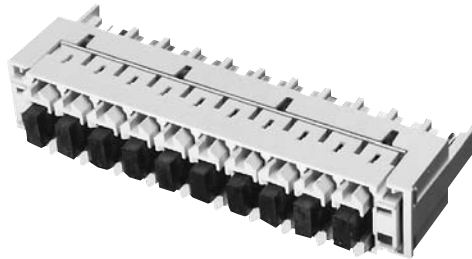


# Building Entrance Protection

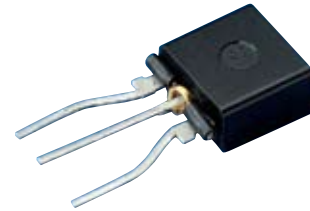
## Building Entrance Terminals: Protection Devices

### 10-Pair Protection Magazine with Fail-Safe

The 10-pair solid-state protection magazine with fail-safe is a high-density protection solution, providing primary overvoltage protection. The magazine is loaded with 320V solid-state protectors and snaps into Series 2 10-pair connect or disconnect termination modules. The three-chip balanced solid-state device meets balance requirements of GTS 8700 and GR 974. It is UL 497 listed.



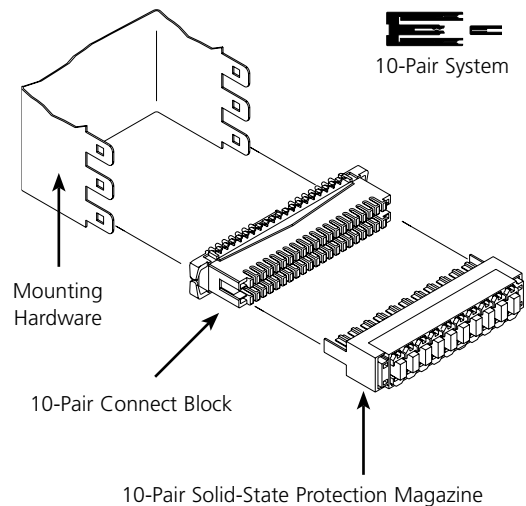
10-Pair Magazine, 10-Pair System



Solid-State Protector with Fail-Safe

### Specifications

<b>Median voltage rating:</b>	320V
<b>Peak off-state voltage:</b>	270V
<b>Switching voltage:</b>	350V
<b>On-state voltage:</b>	8V
<b>Leakage current:</b>	5µA
<b>Switching current:</b>	800mA
<b>On-state current:</b>	2.2A
<b>Holding current:</b>	150mA
<b>Off-state capacitance:</b>	60pF
<b>Peak pulse current @2x10µs:</b>	250A
<b>Peak pulse current @8x20µs:</b>	250A
<b>Peak pulse current @10x160µs:</b>	150A
<b>Peak pulse current @10x560µs:</b>	100A
<b>Peak pulse current @10x1000µs:</b>	80A



### Ordering Information

Description	Dimensions (HxWxD)	Catalog Number
<b>10-Pair Solid State Magazine with Fail Safe</b> <i>Quantity: 1</i> 320V primary overvoltage protection; assembly consists of (1) 10-pair protection magazine fully loaded with (1) 320V solid-state protectors. Snaps into 10-pair connect or disconnect blocks mounted in grounded back mount frame <i>Extends 1.25" (31.75 mm) from face of block</i>	0.88" x 4.44" x 1.88" (22.23 mm x 112.8 mm x 47.8 mm)	6659 2 053-09
<b>Solid-State Protector with Fail-Safe,</b> <i>Quantity: 1</i> 320V nominal clamping voltage; inserts into 10-pair protection magazine		6659 2 060-03

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# Work Area Solutions

## Introduction

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### Features

- Field-configurable station outlets available in flush mount, surface mount and furniture mount styles
- One-, two-, three-, four- or six-ports in a single-gang faceplate or four-, eight-, twelve-port dual-gang faceplates allow custom configurations utilizing a wide range of individual RJ11 or RJ45 jacks, F-81, RCA, S-Video, ST®, SC, MTRJ, LC or BNC connectors
- Voice and data ID tabs come color-matched with each faceplate
- Top and bottom labels allow discrete station identification
- RJ45 jacks are available to support TrueNet® Category 5e, Category 6 and CopperTen® structured cabling systems
- A complete range of modular jacks and connector modules can be used interchangeably in all outlets, surface boxes and Plug-and-Play patch panels
- Two-, three-, and four-port modular furniture faceplates can be used in office systems produced by companies such as Haworth, Steelcase, Herman Miller, Kimball, Knoll, Teknion and AllSteel



# Work Area Solutions

## Category 6A Modular Jacks

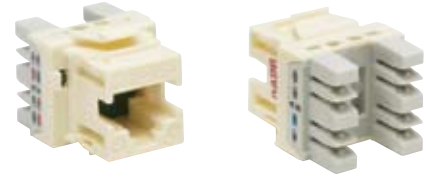
### CopperTen® Modular Jacks

An integral part of ADC's TrueNet® Structured Cabling System, CopperTen® is the world's first UTP structured cabling system to enable 10 Gigabit Ethernet over a full 100 meters. Installed in high-performance networks worldwide, the system's patent-pending design minimizes alien crosstalk and insertion loss and meets the performance requirements of IEEE 802.3an and TIA/EIA 568-B.2-10 draft standards.

The CopperTen modular jack features LSA-PLUS® silver-plated 45-degree angled contacts for the most secure and reliable connection available.

#### Features

- 45-degree silver-plated IDCs provide secure reliable gas-tight connections
- Accepts 110 tool for wire termination
- Universal A/B wiring label
- Meets performance requirements of TIA/EIA 568-B.2-10 standards



#### Ordering Information

Description	Catalog Number*
<b>CopperTen RJ45 UTP Modular 568A/B Jack</b> <i>Quantity: 1</i>	6830 1 835-XX

\*Replace XX with:

- |                       |             |
|-----------------------|-------------|
| 01 = White            | 06 = Blue   |
| 02 = Ivory            | 07 = Green  |
| 03 = Gray             | 08 = Yellow |
| 04 = Black            | 09 = Purple |
| 05 = Red              | 10 = Orange |
| 22 = Electrical Ivory |             |





# Work Area Solutions

## Category 6 Modular Jacks

### KM8 Modular Jacks

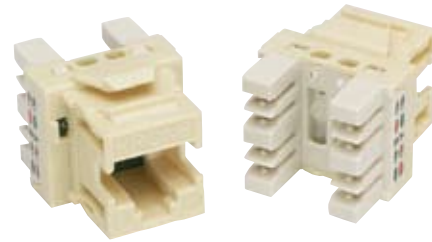
KM8 modular jacks are an integral part of the TrueNet® channel solution. Tuned together with other TrueNet Category 6 components and cable, KM8 jacks help deliver zero bit error network performance.

A KM8 modular jack with cable management system ensures reliable field termination. The cable manager holds cable pairs in place up to the termination point, preventing cable untwist and buckle, guaranteeing dependable and repeatable performance. The jack reduces termination time and effort as all four pairs terminate at once without the use of a tool.

These modular jacks can be used in ADC's modular patch panels.

#### Features

- TrueNet impedance matched jacks guarantee maximum throughput
- Meet TIA/EIA Category 6 requirements
- 45-degree silver-plated IDCs provide secure, reliable gas-tight connections
- Compatible with any TrueNet modular faceplate, modular furniture faceplate, surface box and modular patch panel
- Accepts either a KRONE® or 110 tool for wire termination for punchdown jack
- Universal A/B wiring label



KM8 Modular Jack



KM8 Cable Managed Modular Jack



#### Ordering Information

Description	Catalog Number
KM8 RJ45 modular punchdown jack <i>Quantity: 1</i>	6830 1 830-XX
KM8 RJ45 modular tool-less jack <i>Quantity: 1</i>	6830 1 800-XX

\*Replace XX with:

- |            |                       |
|------------|-----------------------|
| 01 = White | 07 = Green            |
| 02 = Ivory | 08 = Yellow           |
| 03 = Gray  | 09 = Purple           |
| 04 = Black | 10 = Orange           |
| 05 = Red   | 22 = Electrical ivory |
| 06 = Blue  |                       |



# Work Area Solutions

## Category 5e Modular Jacks

### K610 Series Jacks

K610 series jacks are an integral part of the TrueNet® channel solution. Tuned together with other TrueNet Category 5e components and cable, K610 jacks help deliver zero bit error network performance.



The K610 series jacks can be used in ADC's modular patch panels.

#### Features

- Available in right angle style
- Compatible with any TrueNet modular faceplate, modular furniture faceplate, surface box and modular patch panel
- Available in eleven colors for easy port identification
- Accept either KRONE® or 110 tool for termination



K610 Series Jack

Color	RJ45 T568A/B Right Angle	RJ45 USOC Right Angle	RJ11 USOC Right Angle
White	6467 5 181-20	6467 5 198-20	6467 5 195-20
Ivory	6467 5 181-10	6467 5 198-10	6467 5 195-10
Gray	6467 5 181-00	6467 5 198-00	6467 5 195-00
Black	6467 5 181-30	6467 5 198-30	6467 5 195-30
Red	6467 5 181-50	6467 5 198-50	6467 5 195-50
Blue	6467 5 181-40	6467 5 198-40	6467 5 195-40
Green	6467 5 181-80	6467 5 198-80	6467 5 195-80
Yellow	6467 5 181-90	6467 5 198-90	6467 5 195-90
Purple	6467 5 181-70	6467 5 198-70	6467 5 195-70
Orange	6467 5 181-60	6467 5 198-60	6467 5 195-60
Electrical Ivory	6467 5 181-22	6467 5 198-22	6467 5 195-22

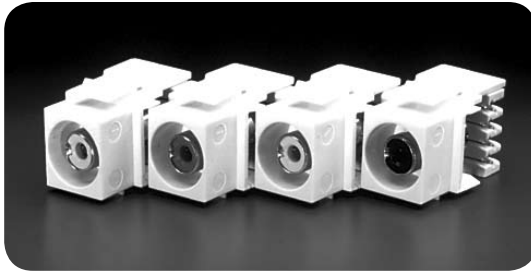




# Work Area Solutions

## Modular Adapters

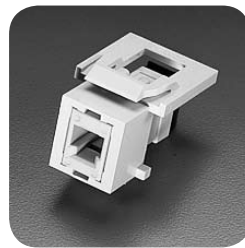
Compatible with ADC's modular faceplates, surface mount boxes, modular furniture faceplates and modular patch panels, these adapters offer the versatility of a Plug-and-Play system.



RCA Adapters



F-81 Adapter



MTRJ Adapter



SC Adapter



ST<sup>®</sup> Adapter



BNC Adapter



S-Video Adapter



Blank Insert

Ordering information follows on the next page

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# Work Area Solutions

## Modular Adapters

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### Ordering Information

Description	Catalog Number*
<b>F-81 Adapter</b> <i>Quantity: 1</i> Standard 75 ohm connector	6645 1 157-XX
<b>MTRJ Modular Adapter</b> <i>Quantity: 1</i> Same footprint as SC adapters; double fiber density. Used with faceplate extender in flush mount faceplates. Not compatible with 2-port or 4-port surface boxes Multimode, keystone package Singlemode, keystone package	6645 1 170-XX 6645 1 171-XX
<b>SC Multimode/Singlemode Adapter</b> <i>Quantity: 1</i> Used with faceplate extender in flush mount faceplates Metal adapter sleeve Ceramic adapter sleeve	6645 1 167-XX 6645 1 169-XX
<b>ST<sup>®</sup> Multimode/Singlemode Adapter</b> <i>Quantity: 1</i> Straight tip style Phosphor bronze adapter sleeve Ceramic adapter sleeve	6645 1 158-XX 6645 1 166-XX
<b>LC Multimode/Singlemode Adapter</b> <i>Quantity: 1</i> Multimode, phosphor bronze adapter sleeve Singlemode, UPC ceramic sleeve Singlemode, APC ceramic sleeve	6645 1 172-XX 6645 1 173-XX 6645 1 174-XX
<b>BNC Adapter</b> <i>Quantity: 1</i>	6645 1 159-XX
<b>S-Video Adapter</b> <i>Quantity: 1</i> Requires use of patch cords with boot diameters less than 13mm (0.51")	6645 1 134-XX
<b>RCA Adapter</b> <i>Quantity: 1</i> Requires use of patch cords with boot diameters less than 13mm (0.51") White face Red face Yellow face Black face	6645 1 131-XX 6645 1 132-XX 6645 1 133-XX 6645 1 135-XX
<b>Blank Modular Insert</b> <i>Quantity: 25</i> Cover unused ports; compatible with any ADC modular faceplate, surface mount box, modular furniture plates, patch panels White Ivory Gray Black	6645 1 160-01 6645 1 160-02 6645 1 160-03 6645 1 160-04

\*Replace XX with:  
01 = White  
02 = Ivory



# Work Area Solutions

## Angled Port Faceplates

These faceplates accept any combination of modular jacks and connectors found in this section. All faceplates and surface mount boxes are constructed of durable ABS plastic that meets UL 1863 safety rating and UL 94V-0.



4-Port Angled Faceplate



8-Port Angled Faceplate



Extender

### Ordering Information

Description	Dimensions (HxWxD)	Catalog Number*
<b>4-Port Angled Faceplate</b> <i>Quantity: 1</i> Fits standard, single-gang box; 2 outlet labeling areas, 4 individual port ID areas; includes blank paper labels, clear plastic label protectors, logo insert, reversible-icon ID tabs numbered 1–6 (icon colors match faceplate), mounting screws (#6-32 x 15/16")	4.5" x 2.75" x 0.25" (114.5 mm x 70.0 mm x 6.35 mm)	6644 1 174-XX
<b>8-Port Angled Faceplate</b> <i>Quantity: 1</i> Requires standard NEMA double-gang opening of at least 3.563" x 2.75" (some surface mount boxes do not meet this specification; please check carefully); 4 outlet labeling areas and 8 individual port ID areas; includes blank paper labels, clear plastic label protectors, logo inserts, 2 sets of reversible-icon ID tables numbered 1–6 (icon colors match faceplate), mounting screws (#6-32 x 15/16"). Not compatible with dual-gang mud rings	4.5" x 4.94" x 0.25" (114.5 mm x 125.48 mm x 6.35 mm)	6644 1 178-XX
<b>Faceplate Extender</b> <i>Quantity: 1</i> Provides room to allow for fiber bend radius, storage spool or additional copper cable working space; mounts on front of any standard single-gang NEMA box or All-Fit surface mount box to extend depth 1-inch; includes 2 mounting screws (#6-32 x 2"). Recommended for use with simplex SC adapters	4.75" x 3.13" x 1" (120.1 mm x 79.5 mm x 25.4 mm)	6644 2 018-XX

\*Replace XX with:  
01 = White  
02 = Ivory  
03 = Gray  
04 = Black  
22 = Electrical ivory

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# Work Area Solutions

## Flush Mount Faceplates

These faceplates provide the basis for a wide range of possible information outlet combinations. With a single-gang capacity up to six ports, and a double-gang capacity of 12 ports, ADC can provide the density for the most demanding installation.

The faceplates accept any combination of modular jacks and connectors listed in this section. The variety of reversible-icon and color ID tabs for labeling provides a versatile and highly visible information outlet system.

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2-Port Faceplate



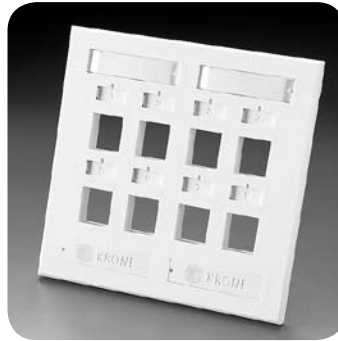
4-Port fFaceplate



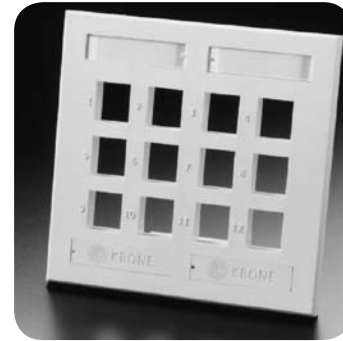
6-Port Faceplate



4-Port, Dual-Gang Faceplate



8-Port, Dual-Gang Faceplate



12-Port, Dual-Gang Faceplate



CopperTen® 4-Port Staggered Faceplate

Ordering information follows on the next page



# Work Area Solutions

## Flush Mount Faceplates

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### Ordering Information

Description	Dimensions (HxWxD)	Catalog Number <sup>1</sup>
<b>Single-Gang Flush Mount Faceplates</b> <i>Quantity: 1</i> Fit standard single-gang boxes. Include 2 blank paper labels, 2 clear plastic label protectors, 1 logo insert, 6 reversible-icon ID tabs numbered 1–6 (icon colors match faceplate), 2 mounting screws (#6-32 x 15/16")	4.5" x 2.75" x 0.25" (114.5 mm x 70.0 mm x 6.35 mm)	
<b>2-Port Faceplate</b> 2 outlet labeling areas and 2 individual port ID areas		6644 1 152-XX
<b>4-Port Faceplate</b> 2 outlet labeling areas and 4 individual port ID areas		6644 1 154-XX
<b>CopperTen® 4-Port Staggered Faceplate</b> Includes: 2 outlet labeling areas and 4 individual port ID areas.		TNCSFPSO4-YY <sup>2</sup>
<b>6-Port Faceplate</b> 2 outlet labeling areas and 6 individual port ID areas		6644 1 156-XX
<b>Dual-Gang Flush Mount Faceplates</b> <i>Quantity: 1</i> Require a standard NEMA double-gang opening of at least 3.563" x 2.75" (some surface mount boxes do not meet this specification; please check carefully).	4.5" x 4.94" x 0.25" (114.5 mm x 125.48 mm x 6.35 mm)	
<b>4-Port Faceplate</b> 4 outlet labeling areas and 8 individual port ID labels. Include blank paper labels, clear plastic label protectors, logo inserts, 2 sets of reversible-icon ID tabs numbered 1–6 (icon colors match faceplate), 4 mounting screws (#6-32 x 15/16")		6644 1 164-XX
<b>8-Port Faceplate</b> 4 outlet labeling areas and 8 individual port ID labels. Include blank paper labels, clear plastic label protectors, logo inserts, 2 sets of reversible-icon ID tabs numbered 1–6 (icon colors match faceplate), 4 mounting screws (#6-32 x 15/16")		6644 1 168-XX
<b>12-Port Faceplate</b> 4 outlet labeling areas and 12 individual ports numbered consecutively, left to right, top to bottom. Includes 4 blank paper labels, 4 clear plastic label protectors, 2 logo inserts, 4 mounting screws (#6-32 x 15/16")		6644 1 157-XX

<sup>1</sup> Replace XX with:

01 = White      02 = Ivory  
 03 = Gray      04 = Black  
 22 = Electrical Ivory

<sup>2</sup> Replace YY with:

BK = Black      GY = Gray  
 IV = Ivory      WT = White



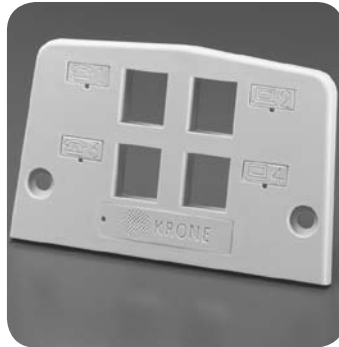
# Work Area Solutions

## Specialty Faceplates

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Stainless Steel Wall Phone Plate



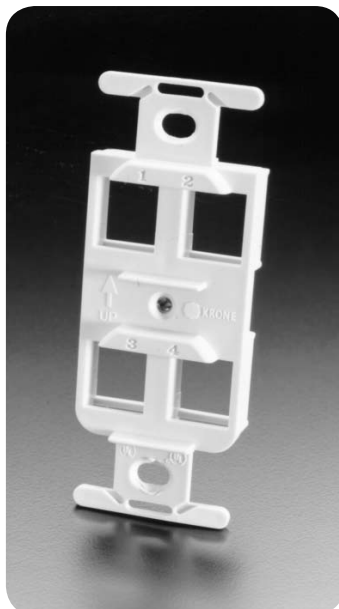
4-Port Walker Monument Faceplate



Drywall Faceplate Adapter Shown with Flush Mount Faceplate



2-Port Electrical Faceplate



4-Port Electrical Faceplate



Dual-Gang Surface Mount Box

Ordering information follows on the next page





# Work Area Solutions

## Specialty Faceplates

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### Ordering Information

Description	Dimensions (HxWxD)	Catalog Number
<b>Stainless Steel Faceplate</b> <i>Quantity: 1</i> Standard single-gang faceplate accepts any combination of modular jacks (which mount flush with the surface of the faceplate) and adapters found in this section. Not for use with shielded jacks. Includes 2 mounting screws (#6-32 x 15/16") 1-port 2-port 3-port 4-port 6-port	4.5" x 2.75" x 0.25" (114.5 mm x 70.0 mm x 6.35 mm)	6644 1 024-01 6644 1 024-02 6644 1 024-03 6644 1 024-04 6644 1 024-06
<b>Stainless Steel Wall Phone Plate</b> <i>Quantity: 1</i>	4.5" x 2.75" x 0.25"	6644 3 000-53
<b>4-port Walker Monument Faceplate</b> <i>Quantity: 1</i> Compatible with Walker 500 Series housing; 4-port faceplate accepts any combination of modular jacks and adapters; features workstation labeling and individual port designation ID tabs; includes 6 ID tabs (same color as faceplate), 1 station ID window and label, 2 mounting screws White Ivory	(114.5 mm x 70.0 mm x 6.35 mm)	6644 1 165-01 6644 1 165-02
<b>Drywall Faceplate Adapter</b> <i>Quantity: 1</i> For adding outlet to wall with no backbox; compatible with all ADC single-gang faceplates; adjustable to fit 0.25" thick to 1" thick wallboard, paneling or drywall. Can be mounted horizontally or vertically and can be used as template for cutout hole; thin front lip design allows adapter to seat better on drywall		6644 2 019-00
<b>Electrical Faceplate 106 Adapters</b> <i>Quantity: 1</i> Match electrical faceplate knockouts and come in choice of standard electrical colors; include 6 reversible-icon ID tabs numbered 1-6 (icon colors match adapter), 2 mounting screws (#6-32 x 15/16")	3.13" x 1.61" x 0.38" (79.5 mm x 40.89 mm x 9.65 mm)	
<b>2-Port</b> Allows mounting of 2 modular jacks or connectors in a standard electrical-style outlet box; 2 individual port ID areas		6644 1 106-XX*
<b>4-Port</b> Allows mounting of 4 modular jacks or connectors; recessed numbering, 1-4, on front of adapter for easy port identification		6644 1 107-XX*
<b>Dual-Gang Surface Mount Box</b> <i>Quantity: 1</i> Compatible with electrical faceplate 106 adapters and all dual-gang faceplates; knockouts provide cabling access from all 4 sides and rear in several size. Ivory only	4.75" x 5" x 1.75" (120.1 mm x 127.0 mm x 44.5 mm)	6644 3 000-28

\*Replace XX with: 21 = Electrical white 23 = Electrical gray 04 = Black  
 22 = Electrical ivory 24 = Electrical brown



# Work Area Solutions

## Decorative Faceplates

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2- and 3-Port  
Decorative Adapters



Single- and Dual-Gang Faceplates

### Ordering Information

Description	Dimensions (HxWxD)	Catalog Number*
<b>Decorative Faceplate</b> <i>Quantity: 1</i> Includes #6-32 oval head screws (match color of faceplate) Single-gang Dual-gang Triple-gang		6644 1 410-XX 6644 1 420-XX 6644 1 430-XX
<b>Decorative Adapter</b> <i>Quantity: 1</i> Includes reversible voice/data ID tabs, numbered 1-6; (2) #6-32 flat head, counter-sunk slotted screws for installation into any NEMA standard box 2-port 3-port		6644 1 402-XX 6644 1 403-XX

\*Replace XX with:  
 20 = Eggshell  
 21 = Electrical white  
 22 = Electrical ivory  
 23 = Electrical gray  
 04 = Black



# Work Area Solutions

## Modular Furniture Faceplates

ADC's modular furniture faceplates are compatible with leading office furniture and accept ADC's modular jacks and connectors. Contact ADC Technical Assistance Center for specific model compatibility.



3-Port Modular Furniture Faceplate



4-Port Modular Furniture Faceplate



2-Port Horizontal Faceplate

### Modular Furniture Faceplate Compatibility

3-Port	4-Port
Steelcase 9000	Herman Miller, Action Office 1
Steelcase Avenir	Herman Miller, Action Office 2
Steelcase Context	Herman Miller, Action Office 3
AllSteel 8000	Herman Miller, Ethospace (baseline)
Knoll Morrison	Herman Miller
Knoll Reff	Phoenix
Haworth Places and Unigroup	Kimball
Haworth Places	
Haworth Premise	
Haworth Race	

Ordering information follows on the next page

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# Work Area Solutions

## Modular Furniture Faceplates

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### Ordering Information

Description	Dimensions (HxWxD)	Catalog Number*
<b>3-Port Modular Furniture Faceplate</b> <i>Quantity: 1</i> Recommended opening: 2.65" x 1.377" (67.31 mm x 34.98 mm) Maximum thickness: 0.06" (1.52 mm) 3 individual port ID areas; includes 6 reversible-icon ID tabs numbered 1-6 (icon colors match faceplate)	1.61" x 3.13" x 0.38" (40.9 mm x 79.5 mm x 9.65 mm)	6644 1 143-XX
<b>4-Port Modular Furniture Faceplate</b> <i>Quantity: 1</i> Fits openings 1.890" to 1.920" (48mm to 48.77 mm) high, 2.572" to 3.866" (65.33mm to 98.2 mm) wide Maximum thickness: 0.08" (2.03 mm) 1 outlet labeling area, 4 individual port ID areas; includes 2 blank paper labels, 1 clear plastic label protector, 1 logo insert, 6 reversible-icon ID tabs numbered 1-6 (icon colors match faceplate)	2.17" x 3.9" x 0.38" (55.12 mm x 99 mm x 9.65 mm)	6644 1 144-XX
<b>4-port Beltline Adapter for Herman            Miller Ethospace Furniture</b> <i>Quantity: 1</i>		6644 3 299-XX
<b>2-Port Horizontal Faceplate</b> <i>Quantity: 1</i> Fits standard NEMA openings in modular furniture raceways or standard single-gang boxes; designed for horizontal orientation; 1 outlet labeling area, 2 individual port ID areas; ID tabs hide faceplate mounting screws. Includes 2 blank paper labels, 1 clear plastic label protector, 6 reversible-icon ID tabs numbered 1-6 (icon colors match faceplate), 2 mounting screws (#6-32 x 15/16", with custom head)	2.75" x 4.5" x 0.25" (69.85 mm x 114.3 mm x 6.35 mm)	6644 1 112-XX

\*Replace XX with:

- 01 = White
- 02 = Ivory
- 03 = Gray
- 04 = Black



# Work Area Solutions

## Surface-Mount Boxes

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6-Port Surface Mount Box



2-Port Surface Mount Box



4-Port Surface Mount Box



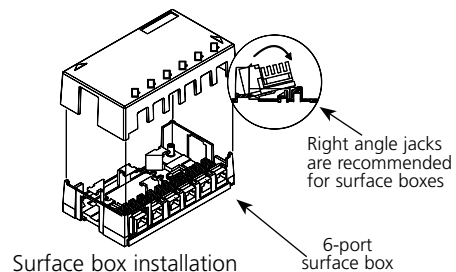
CopperTen® 6-Port Surface Mount Box

### Ordering Information

Description	Dimensions (HxWxD)	Catalog Number <sup>1</sup>
<b>2-Port Surface Mount Box</b> <i>Quantity: 1</i> 1 outlet labeling area, 2 individual port ID areas; includes 1 blank paper label, 1 clear plastic label protector, 1 logo insert, 6 reversible icon ID tabs numbered 1–6 (icon colors match faceplate), hook-and-loop fastener strips. Knockouts allow cable and raceway access	1" x 2.25" x 2.31" (25.4 mm x 57.2 mm x 58.67 mm)	6644 1 222-XX
<b>4-Port Surface Mount Box</b> <i>Quantity: 1</i> 1 outlet labeling area, 4 individual port ID areas; includes 1 blank paper label, 1 clear plastic label protector, 6 reversible icon ID tabs numbered 1–6, 1 screw for locking down cover and hook-and-loop fastener strips. Knockouts allow cable and raceway access	2.88" x 4.25" x 1" (73.15 mm x 107.95 mm x 25.4 mm)	6644 1 224-XX
<b>6-Port Surface Mount Box</b> <i>Quantity: 1</i> 2 outlet labeling areas, 6 individual port ID areas; includes 1 blank paper label, 1 clear plastic label protector, 6 reversible icon ID tabs numbered 1–6 (icon colors match faceplate), 2 mounting screws (#6-32 x 15/16"), hook-and-loop fastener strips. Knockouts allow cable access from 3 sides	3.38" x 6" x 1.5" (85.85 mm x 152.4 mm x 38.1 mm)	6644 2 201-XX
<b>CopperTen® 6-Port Surface Mount Box</b> <i>Quantity: 1</i> Individual port ID areas; includes 2 blank paper labels, 2 clear plastic label protectors, 6 reversible icon ID tabs numbered 1–6 (icon colors match faceplate), 2 mounting screws (#6-32 x 15/16"), hook-and-loop fastener strips. Knockouts allow cable access from 3 sides	7.00" x 5.00" x 1.375" (85.85 mm x 152.4 mm x 38.1 mm)	TNSCSSB6-YY <sup>2</sup>

<sup>1</sup> Replace XX with:  
 01 = White            02 = Ivory  
 03 = Gray            04 = Black  
 22 = Electrical Ivory

<sup>2</sup> Replace YY with:  
 BK = Black            GY = Gray  
 IV = Ivory            WT = White





# Work Area Solutions

## Surface Box for Modular Furniture

The surface box for modular furniture accepts any combination of modular jacks and adapters. It supports both 6- and 12-port configurations and is used in zone cabling applications.



### Features

- Six-port cable guides for cable management
- Discrete port labeling
- Flush face for clean look and protection of connectors
- Constructed of durable ABS plastic, rated UL 94V-0
- UL1863 safety rating

### Ordering Information

Description	Dimensions (HxWxD)	Catalog Number
<b>12-Port Surface Box</b>	1.61" x 3.13" x 0.38" (40.9 mm x 79.5 mm x 9.65 mm)	6644 1 460-01
<b>Surface Box Mounting Accessories</b>		
<b>Double Sticky-Back Tape</b> <i>Quantity: 1</i> Used to mount surface boxes permanently to smooth surfaces		6630 3 025-01
<b>Magnet Strip</b> <i>Quantity: 1</i> Adhesive backed, magnetic strip	0.06" x 3" x 5.75" (1.52 mm x 76.2 mm x 146.05 mm)	6630 3 025-09



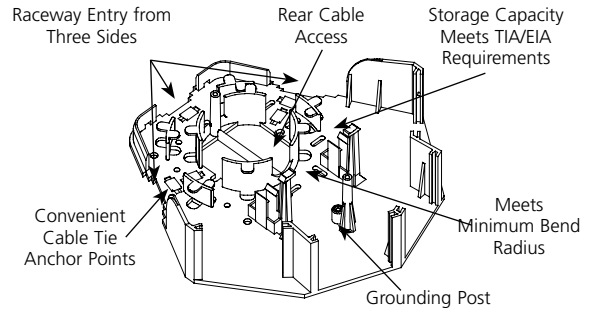
# Work Area Solutions

## Specialty Boxes

### Multimedia Box

The low-profile, surface mount multimedia box allows installation of fiber, copper and/or coax in a single unit. It maintains minimum bend radius and fiber storage to comply with TIA/EIA-568-A requirements.

A unique hidden labeling system provides identification for sixteen individual ports with colored ID tabs, paper labels and write-on surfaces on or under a removable door. Angled bezels meet minimum bend radius requirements and allow the box to be configured to meet the requirements of a specific application.



Multimedia Box Shown with Selected Bezels, Jacks, Connectors and ID Tabs Installed

#### Ordering Information

Description	Dimensions (HxWxD)	Catalog Number*
<b>Multimedia Box</b> <i>Quantity: 1</i> Includes logo insert, 1 clear plastic window, 16 reversible icon ID tabs numbered 1-6, 3 blank bezels, tie wraps, hook-and-loop fastener	8.25" x 8.25" x 2.25" (210 mm x 210 mm x 57.15 mm)	6644 1 450-XX
<b>Empty Multimedia Bezels</b> <i>Quantity: 1</i> Fit in 1 position of multimedia box. Compatible jacks or adapters ordered separately		
<b>4-Port Bezel</b> Accepts up to 4 of any modular jack or adapter		6644 3 205-XX
<b>6-Position SC Bezel</b> Accepts up to 6 SC-style fiber optic adapters		6644 3 267-XX
<b>Duplex SC/RJ Bezel</b> Accepts 1 duplex 2-port SC bezel and any 2 modular jacks or adapters		6644 3 211-XX
<b>Blank Bezel</b> Protects opening from dust or other contaminant's		6644 3 209-XX
<b>Mounting Magnets</b> <i>Quantity: 2</i> Mount the multimedia box on smooth, flat, metal surfaces		6630 3 025-11

\*Replace XX with: 01 = White 02 = Ivory

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# Work Area Solutions

## Specialty Boxes

### All-Fit Specialty Box

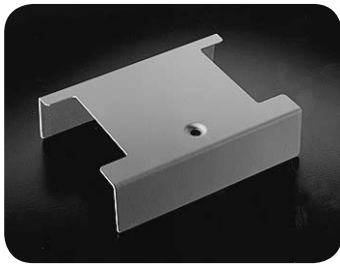
The All-Fit box mounts in standard NEMA wall boxes, in modular office furniture and on virtually any surface. The unique on-board termination design allows installers to punch down wires with jacks already in place. The snap-on cover includes an optional screw-down feature for added security. The low-profile design and choice of colors provide an attractive receptacle that blends with any office decor. Knockouts allow easy access for cable and raceways. The All-Fit box provides both station and individual port identification.



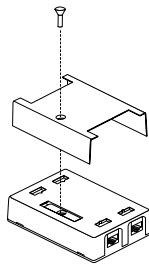
4-Port Box



Surface Mount Box



Steel Cover Box



6-Port Box



Standard Wall Box



Modular Furniture



Surface Mount



Duplex SC Bezel

Ordering information follows on the next page

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# Work Area Solutions

## Specialty Boxes

### All-Fit Specialty Box

#### Ordering Information

Description	Dimensions (HxWxD)	Catalog Number*
<b>6-Port All-Fit Box</b> <i>Quantity: 1</i> Includes 1 blank paper label, 1 clear plastic label protector, 6 reversible icon ID tabs numbered 1–6 (icon colors match box), 2 mounting screws (#6/32 x 15/16"), 4 All-Fit sliders, hook-and-loop fastener strips. Meets all TIA/EIA requirements for fiber storage and spooling; 6 individual port identification and station labeling areas; secure, cover locking option; low profile design. Knockouts on 3 sides for raceway and cable entrance	1" x 6.5" x 5" (25.4 mm x 165.1 mm x 127 mm)	6644 2 202-XX
<b>4-Port All-Fit Box</b> <i>Quantity: 1</i> Includes 1 blank paper label, 1 clear plastic label protector, 6 reversible icon ID tabs numbered 1–6 (icon colors match box), 2 mounting screws (#6-32 x 15/16"), 1 screw for locking down cover, hook-and-loop fastener strips. Knockouts allow cable access from either top or bottom	2.88" x 4.25" x 1" (73.15 mm x 107.95 mm x 25.4 mm)	6644 1 224-XX
<b>Steel Cover for All-Fit Box</b> <i>Quantity: 1</i> Durable 22 gauge steel cover; for use in any environment where station outlet is susceptible to physical abuse or tampering; painted white. Mounts directly to All-Fit box; cutouts allow individual port ID tabs to remain visible. Self-tapping, flat head mounting screw included. Custom covers available; contact ADC	2.88" x 4.25" x 1" (73.15 mm x 107.95 mm x 25.4 mm)	6644 2 016-01
<b>Duplex SC Bezel for All-Fit Multimedia Box</b> <i>Quantity: 1</i> Compatible with SC-style duplex adapter. Occupies space of any 2 adjacent individual port openings: recessed so face of adapter is flush with face of box		6644 3 220-XX
<b>All-Fit Surface Mount Box</b> <i>Quantity: 1</i> Accepts any ADC modular single-gang flush mount faceplates or electrical faceplate 106 adapters. Cable access provided from rear and from all 4 sides with knockouts in several sizes	4.81" x 3" x 1.75" (122.2 mm x 76.2 mm x 44.45 mm)	6644 2 017-XX
<b>Magnet Strip</b> <i>Quantity: 1</i> Adhesive backed, magnetic strip	0.06" x 3" x 5.75" (1.52 mm x 76.2 mm x 146.05 mm)	6630 3 025-09

\*Replace XX with:

- 01 = White
- 02 = Ivory
- 03 = Gray
- 04 = Black

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# Work Area Solutions

## Accessories

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### Ordering Information

Description	Catalog Number
<b>KM8 Termination Tool</b> <i>Quantity: 1</i> Terminates all four pair at once	6830 1 490-00
<b>Termination Puck</b> <i>Quantity: 1</i> Terminates both in-line and right angle jacks; built-in strain relief	6645 1 180-04
<b>ID Tabs with Icons Numbered 1–6</b> <i>Quantity: 6</i> Snap into individual port identification area above jack or connector opening. Reversible: data icon on one side, voice icon on other; same number appears on both sides. Each package contains icons numbered 1–6	6631 2 125-XX*
<b>Paper Labels for Faceplates</b> <i>Quantity: 1</i> Adhesive labels come pre-cut on white 8.5" x 11" sheet, 190 labels per sheet. Accommodate hand or laser printing. Fit in label area on front of modular faceplates	6631 3 100-06

Labeling templates are available in Microsoft® Word and Excel formats.  
Please contact ADC Technical Assistance Center.

\*Replace XX with:

- 01 = White
- 02 = Ivory
- 03 = Gray
- 04 = Black
- 05 = Red
- 06 = Blue
- 07 = Green
- 08 = Yellow
- 09 = Purple
- 10 = Orange



# Work Area Solutions

## Concealed Entrance Outlets

Concealed Entrance Outlets are single- and dual-gang multimedia outlets with discrete labeling and built-in cable management that both conceals and protects the fiber and copper cabling connectors.

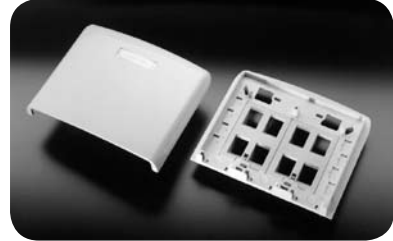
The cover protects the connector's integrity, conceals the connectors from view and is removable to allow access to all connections. It snaps or "locks" into place with a screw (included) to avoid tampering.



Concealed Entrance Outlet



Single-Gang



Dual-Gang

### Ordering Information

Description	Catalog Number*
<b>Concealed Entrance Outlet, Multimedia</b> <b>Single-Gang</b> Accepts 4 connectors and 1 duplex SC or 2 duplex SC connectors. Includes clear window, paper label, 6 ID tabs, mounting screws, base, cover and (2) 4-port bezels	6644 1 184-XX
<b>Dual-Gang</b> Accepts 8 connectors and 2 duplex SC or 3 duplex SC connectors. Includes clear window, paper label, 6 ID tabs, mounting screws, base, cover and (2) 4-port bezels	6644 1 188-XX

\*Replace XX with:

- 01 = White
- 02 = Ivory
- 03 = Gray
- 04 = Black



# Work Station Products and Station Wire

## Overview

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### Features

- ADC's station outlets combine high performance with reliability.
- Exceeds EIA/TIA 568A Category 5e requirement for 100 MHz bandwidth UTP applications.
- Meets all FCC part 68 specifications.
- Fully complies with proposed ANSI X3T9.5 TP-PMD standard for 100 Mbps data rates over UTP at 100 meters.
- Compatible with ATM transmission speeds of 155 Mbps.
- Field configurable station outlets provide up to six ports in a single gang or up to twelve ports in a double gang faceplate.
- Plug-and-Play concept allows any combination of ADC jacks and connectors within a station outlet.
- ADC's termination block is color coded to show the individual pairs for wiring. Connectors accept standard twisted pair wires, solid or stranded, 26 to 22 AWG.
- Superior contact performance.
- Various ID areas are provided.





# Work Station Products and Station Wire

## Specialty Jacks

### Cat 5e K610 RJ-45 Jacks

Jacks can be used in any combination with modular patch panels and faceplates. The termination block on the rear of the jacks is color coded to show the individual wire pairs for cable termination. Standard twisted pair wires, solid or stranded, from 26 AWG to 22 AWG can be terminated. Available in a variety of colors, gray (-00), ivory (-10), white (-20), black (-30), blue (-40), red (-50), orange (-60), purple (-70), green (-80) and yellow (-90).



#### Ordering Information

Description	Catalog Number
RJ45 T568A/B jack, Cat5e, white	6467 5 181-20
RJ45 T568A/B jack, Cat5e, ivory	6467 5 181-10
RJ45 T568A/B jack, Cat5e, gray	6467 5 181-00
RJ45 T568A/B jack, Cat5e, black	6467 5 181-30
RJ45 T568A/B jack, Cat5e, blue	6467 5 181-40
RJ45 T568A/B jack, Cat5e, red	6467 5 181-50
RJ45 T568A/B jack, Cat5e, orange	6467 5 181-60
RJ45 T568A/B jack, Cat5e, purple	6467 5 181-70
RJ45 T568A/B jack, Cat5e, green	6467 5 181-80
RJ45 T568A/B jack, Cat5e, yellow	6467 5 181-90
RJ45 T568A/B jack, Cat5e, electrical ivory	6467 5 181-22
RJ45 USOC, Cat 5e, white	6467 5 198-20
RJ45 USOC, Cat 5e, ivory	6467 5 198-10
RJ45 USOC, Cat 5e, gray	6467 5 198-00
RJ45 USOC, Cat 5e, black	6467 5 198-30
RJ45 USOC, Cat 5e, blue	6467 5 198-40
RJ45 USOC, Cat 5e, red	6467 5 198-50
RJ45 USOC, Cat 5e, orange	6467 5 198-60
RJ45 USOC, Cat 5e, purple	6467 5 198-70
RJ45 USOC, Cat 5e, green	6467 5 198-80
RJ45 USOC, Cat 5e, yellow	6467 5 198-90
RJ45 USOC, Cat 5e, electrical ivory	6467 5 198-22

### K610 RJ-11 Jacks

#### Ordering Information

Description	Catalog Number
RJ11 USOC jack, white	6467 5 195-20
RJ11 USOC jack, ivory	6467 5 195-10
RJ11 USOC jack, gray	6467 5 195-00
RJ11 USOC jack, black	6467 5 195-30
RJ11 USOC jack, blue	6467 5 195-40
RJ11 USOC jack, red	6467 5 195-50
RJ11 USOC jack, orange	6467 5 195-60
RJ11 USOC jack, purple	6467 5 195-70
RJ11 USOC jack, green	6467 5 195-80
RJ11 USOC jack, yellow	6467 5 195-90
RJ11 USOC jack, electrical ivory	6467 5 195-22

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# Work Station Products and Station Wire

## Specialty Jacks and Blank Inserts

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### Keyed Modular Jacks

Jacks can be used in any combination with modular patch panels and faceplates. The termination block on the rear of the jacks is color coded to show the individual wire pairs for cable termination. Standard twisted pair wires, solid or stranded, from 26 AWG to 22 AWG can be terminated. Available in a variety of colors: white (-01), ivory (-02), gray (-03), black (-04), red (-05), blue (-06), green (-07), yellow (-08), purple (-09) and orange (-10).

#### Ordering Information

Description	Catalog Number
RJ-45 keyed modular jack wired 568B, ivory	6645 1 155-02
RJ-45 keyed modular jack wired 568B, gray	6645 1 155-03
RJ-45 keyed modular jack wired 568B, black	6645 1 155-04
RJ-45 keyed modular jack wired 568B, red	6645 1 155-05
RJ-45 keyed modular jack wired 568B, blue	6645 1 155-06
RJ-48X keyed modular jack with shorting bars, ivory	6645 1 168-02
RJ-48X keyed modular jack with shorting bars, black	6645 1 168-04



### Video Connector

F-81 adapter, standard 75-ohm connector.

#### Ordering Information

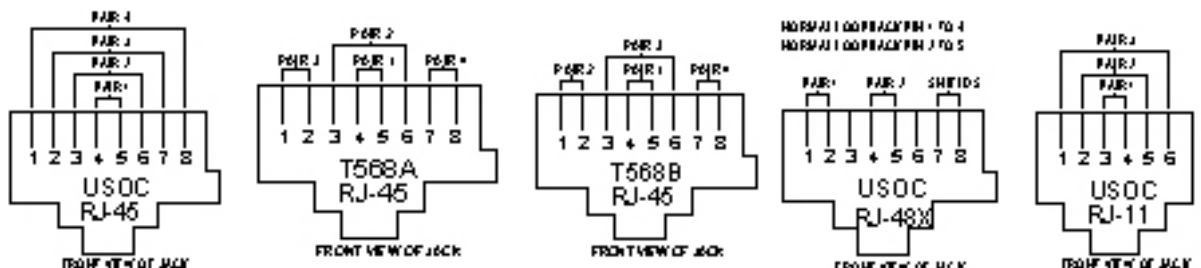
Description	Catalog Number
F-81 adapter for video	6645 1 157-01



Blank Inserts (fill empty ports in faceplates and empty surface-mount boxes)

#### Ordering Information

Description	Catalog Number
Blank insert (Bag of 25), white	6645 1 160-01
Blank insert (Bag of 25), ivory	6645 1 160-02
Blank insert (Bag of 25), gray	6645 1 160-03
Blank insert (Bag of 25), black	6645 1 160-04
Blank insert (Bag of 25), electric ivory	6645 1 160-24





# Work Station Products and Station Wire

## Wallplates

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### Flush-Mount Wallplates

ADC's field configurable wallplates come in 4 colors, and allow users to snap in and remove jacks and connectors in each individual port. Choose from RJ-45, RJ-11, and RJ-48X jacks, or F-81, BNC, ST, and SC connectors which are listed separately.

### Single-Gang Wallplates

Available with 2-, 4- and 6-ports with two station ID windows and clear label covers. Voice and data ID tabs come color matched with each.

### Double-Gang Wallplate

Available in 12-port with four station ID windows and clear label covers. Each port is numbered.

### Horizontal Wallplate

Available in 2-port with one station ID window and clear label cover. Voice and data ID tabs come color matched with each. ID Tabs may also be ordered separately.

#### Ordering Information

Description	Catalog Number
2-Port Faceplate, White	6644 1 152-01
2-Port Faceplate, Ivory	6644 1 152-02
2-Port Faceplate, Gray	6644 1 152-03
2-Port Faceplate, Black	6644 1 152-04
2-Port faceplate, Electrical Ivory	6644 1 152-22
2-Port Horizontal Faceplate, White	6644 1 112-01
2-Port Horizontal Faceplate, Ivory	6644 1 112-02
2-Port Horizontal Faceplate, Gray	6644 1 112-03
2-Port Horizontal Faceplate, Black	6644 1 112-04
2-Port Horizontal Faceplate, Electrical Ivory	6644 1 112-22
4-Port Faceplate, White	6644 1 154-01
4-Port Faceplate, Ivory	6644 1 154-02
4-Port Faceplate, Gray	6644 1 154-03
4-Port Faceplate, Black	6644 1 154-04
4-Port Faceplate, Electrical Ivory	6644 1 154-22
6-Port Faceplate, White	6644 1 156-01
6-Port Faceplate, Ivory	6644 1 156-02
6-Port Faceplate, Gray	6644 1 156-03
6-Port Faceplate, Black	6644 1 156-04
6-Port Faceplate, Electrical Ivory	6644 1 156-22
Double Gang - 12-Port Faceplate, White	6644 1 157-01
Double Gang - 12-Port Faceplate, Ivory	6644 1 157-02
Double Gang - 12-Port Faceplate, Gray	6644 1 157-03
Double Gang - 12-Port Faceplate, Black	6644 1 157-04



2-Port  
Flush Mount



2-Port Horizontal Flush  
Mount



4-Port  
Flush Mount



6-Port  
Flush Mount



12-Port  
Flush Mount



# Work Station Products and Station Wire

## Surface-Mount Boxes

### 2-, 4- and 6-Port Surface-Mount Boxes

ADC's field configurable 2-, 4- and 6-port surface-mount boxes allow users to snap in and remove jacks and connectors in each individual port. Choose from RJ-45, RJ-11, and RJ-48X jacks, or F-81, BNC, ST, and SC connectors which are listed separately. Cable entry is provided via side access knockouts or through the base.

The covers snap on to the bases and also come with screws for locking the covers to the bases. The locking screws are hidden under the station ID windows and labels. Choose from a variety of colors: white, ivory, grey or black. Color matched voice and data ID tabs come with each faceplate, or can also be ordered separately in a variety of colors.

Surface mount boxes can be mounted with either screws, or the provided hook and loop fastener strips.



2-Port Surface-Mount Box



4-Port Surface-Mount Box



6-Port Surface-Mount Box

### Ordering Information

Description	Catalog Number
2-Port Surface-Mount Box, White	6644 1 222-01
2-Port Surface-Mount Box, Ivory	6644 1 222-02
2-Port Surface-Mount Box, Gray	6644 1 222-03
2-Port Surface-Mount Box, Black	6644 1 222-04
2-Port Surface-Mount Box, Electrical Ivory	6644 1 222-22
4-Port Surface-Mount Box, White	6644 1 224-01
4-Port Surface-Mount Box, Ivory	6644 1 224-02
4-Port Surface-Mount Box, Gray	6644 1 224-03
4-Port Surface-Mount Box, Black	6644 1 224-04
4-Port Surface-Mount Box, Electrical Ivory	6644 1 224-22
6-Port Surface-Mount Box, White	6644 2 201-01
6-Port Surface-Mount Box, Ivory	6644 2 201-02
6-Port Surface-Mount Box, Gray	6644 2 201-03
6-Port Surface-Mount Box, Black	6644 2 201-04
6-Port Surface-Mount Box, Electrical Ivory	6644 2 201-22





# Work Station Products and Station Wire

## Surface-Mount Boxes

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### Specialty Faceplates

ADC's field configurable specialty faceplates are designed to mount jacks and connectors in leading office furniture products and NEMA type 106 electrical outlet openings, and allow users to snap in and remove jacks and connectors in individual ports. Choose from RJ-45 jacks, RJ-11 jacks, F-81, BNC, or ST connectors which are listed separately.

Color options include ADC's standard white, ivory, gray and black for the 3-port and 4-port furniture faceplates, and special "electrical industry" colors; white, ivory, gray and brown for the 2-port electrical adapters. Color matched voice and data ID tabs come with each faceplate, or can also be ordered separately in a variety of colors.

### Electrical Faceplate Adapters

Ordering Information	
Description	Catalog Number
2-Port Electrical Faceplate Adapter, Electrical White	6644 1 106-21
2-Port Electrical Faceplate Adapter, Electrical Ivory	6644 1 106-22
2-Port Electrical Faceplate Adapter, Electrical Gray	6644 1 106-23
2-Port Electrical Faceplate Adapter, Electrical Brown	6644 1 106-24

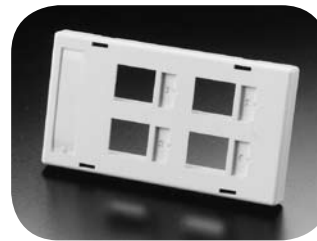
### 4-Port Furniture Faceplate

Ordering Information	
Description	Catalog Number
4-Port Furniture Faceplate, Ivory	6644 1 144-02

Opening size Min: 2.61" X 1.88", Max: 3.16" X 1.91"  
Herman Miller: Action Office 1, 2, and 3, Ethospace, and Phoenix products  
4 port faceplates available in white (-01), ivory (-02), gray (-03) and black (-04).



2-Port Electrical Adapter



4-Port Furniture Faceplate



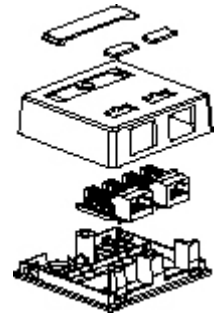
# Work Station Products and Station Wire Surface-Mount Boxes

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## 2-Port Surface-Mount Box With 568B Jacks

Includes 2-port surface-mount box, and two Cat 5, RJ-45 jacks wired 568B. Available in ivory only.

Jacks snap in surface-mount box and can be removed individually. The termination block on the rear of the jacks is color coded to show the individual wire pairs for wiring and will accept standard twisted pair wires, solid or stranded, from 26 AWG to 22 AWG.



### Ordering Information

Description	Dimensions (HxWxD)	Catalog Number
2-Port Surface-Mount Box with 2 RJ-45 Jacks Wired 568B, Ivory	2.5" x 2.31" x 1"	6630 1 162-02

## Single-Gang Surface-Mount Boxes

Used to surface-mount flush mount wallplates. Available only for single-gang ivory wallplates. Mounting screws are included.

### Ordering Information

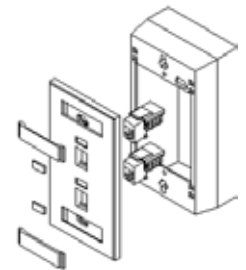
Description	Dimensions (HxWxD)	Catalog Number
Large Surface-Mount Box, Ivory	4.75" x 3.13" x 1.75"	6644 2 017-02
Large Surface-Mount Box with Magnet, Ivory	4.75" x 3.13" x 1.75"	6644 2 022-00



## 2-Port Station Outlet With Large Surface-Mount Box

Includes 2-port flush mount wallplate, two Cat 5 RJ-45 jacks, 568B wiring and a surface-mount box. Available in ivory only.

Jacks snap in wallplate and can be removed individually. The termination block on the rear of the jacks is color coded to show the individual wire pairs for wiring and will accept standard twisted pair wires, solid or stranded, from 26 AWG to 22 AWG.



### Ordering Information

Description	Dimensions (HxWxD)	Catalog Number
2-Port Station Outlet with Large Surface-Mount Box, Ivory	4.75" x 3.13" x 2"	6630 1 151-02



# Work Station Products and Station Wire

Drywall Faceplate Adapter, Termination Puck, Digital Data Jack and 4-Pair Wire

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## Drywall Faceplate Adapter

ADC's drywall faceplate adapter is perfect for quickly adding an outlet to a wall. Compatible with ADC's single gang faceplates, the adapter can be adjusted to fit ¼" to 1" thick wallboard, paneling, or drywall. The adapter can be mounted horizontally or vertically and can be used as a template for the cutout hole. The thin front lip design allows the adapter to seat better on drywall.

Ordering Information	
Description	Catalog Number
Drywall Faceplate Adapter	6644 2 019-00



## Termination Puck

For easy termination K610 and KM8 series jacks, the termination puck is ergonomically designed to fit comfortably in the palm of your hand. It terminates both In-line and right angle jacks, has built-in strain relief for easy, stress-free installation, and small enough to fit into your pocket.

Ordering Information	
Description	Catalog Number
Termination Puck	6645 1 180-04

## Digital Data Jack

The digital data jack is used in digital circuit terminations and is equivalent to a Digital Maintenance Termination Unit (DMTU) or smart jack. When a plug is inserted into the jack, the connection is a straight through RJ48S (jack pins 1 and 2 for transmit cable pair and pins 7 and 8 for receive cable pair). When the plug is removed from the jack, a high impedance termination is provided. This allows the service provider to remotely test the circuit, which decreases unnecessary service calls. The digital data jack is available as a single port or dual port unit. An expansion jack is available to easily expand a single port unit into a dual port unit.

Ordering Information	
Description	Catalog Number
2-Port Digital Data Jack Outlet Box	6630 1 180-02
1-Port Digital Data Jack Outlet Box	6630 1 180-01
Digital Data Jack Expansion Jack	6645 1 195-02



## 4-Pair Inside Station Wire

Ordering Information	
Description	Catalog Number
STP CMR, Inside Shielded Wire 4-Pair 24 AWG Cat 5e, Gray, 1,000' Reelex	55E-SCMR-GY02
STP CMP, Inside Shielded Wire 4-Pair 24 AWG Cat5e, White, 1,000' Reelex	55E-SCMP-WT02
UTP DUAL CMR, Inside Unshielded Wire Dual 4-Pair 24 AWG Cat5e, Gray, 1,000' Reel	TN5ESRX2-GY02
UTP DUAL CMP, Inside Unshielded Wire Dual 4-Pair 24 AWG Cat5e, Ivory, 1,000' Reel	TN5ESPX2-IV02



Dual, Side by Side Configuration



# Patch Panels

## Plug-and-Play Modular Patch Panels

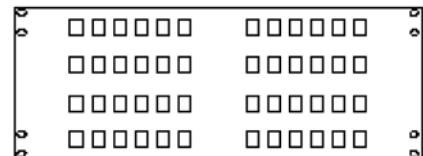
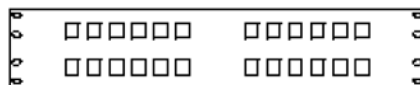
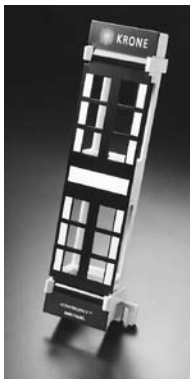
Used for high speed data transmission up to 100 MHz and voice/data combination requirements. Panels are available in 12-, 24- and 48-port.

Panels allow the use of any combination of ADC Plug-and-Play jacks and connectors within the same panel. Jacks and connectors can be snapped in and removed for each individual port. Choose from RJ- 45, RJ-48X and RJ-11 jacks or fiber and coaxial connectors which are listed separately.

The 12-port panel is a mini panel which snaps onto an 89D bracket (included). The 24- and 48-port panels can be wall mounted using a hinged wall-mount bracket. Will also mount directly on a standard 19-inch EIA equipment rack.

### Ordering Information

Description	Dimensions (H x W x D)	Catalog Number
<b>High-Density Plug-and-Play Patch Panels</b> Staggered Plug-and-Play patch panel wth cable management 1U 24-port fascia 2U 48-port fascia	1.75" x 19" x 6" (44 mmx 483 mm x 152 mm) 3.5" x 19" x 6" (89 mm x 483 mm x 152 mm)	PP24PNPT PP48PNPT
<b>Patch Plus Panel – 24-Port 2 RU Patch Panel</b> Attaches to wall mount brackets or standard TIA/EIA racks. Includes wire management on front and back; Includes station, workstation and panel identification labeling capabilities.	3.5" x 19" x 1.5" (88.9 x 482.6 x 38.1 mm)	6653 2 760-24
<b>Mini Patch Panel – 12-Port</b> Blank mini patch panels include (1) 89D bracket	10" x 2.75" x 1.89" (254 mm x 70 mm x 48 mm)	6653 2 705-12



#### NOTE ON COMPATIBLE JACKS AND CONNECTORS:

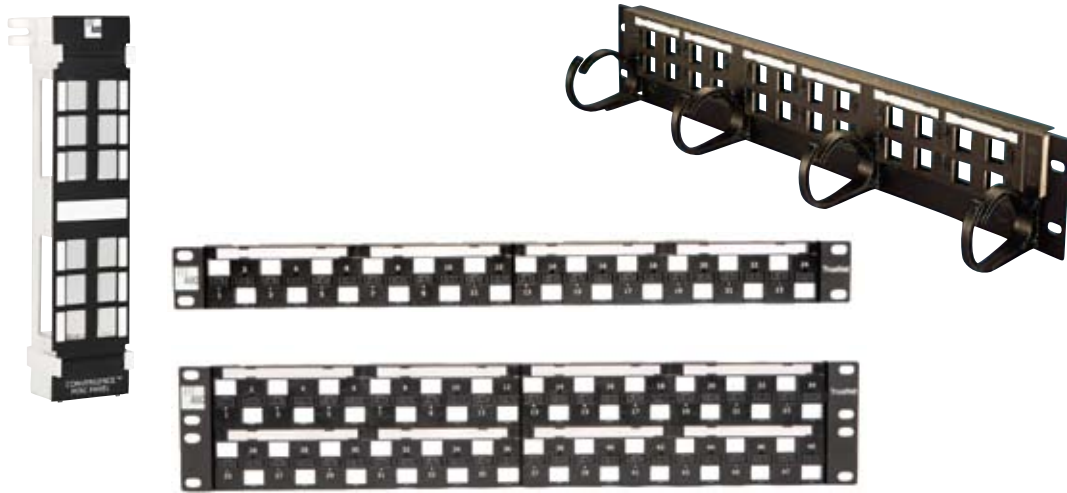
ADC'S modular patch panels accept a wide variety of standard jacks (RJ-45 Keyed and Un-Keyed, RJ-48x, and RJ-11), connectors (fiber and coaxial) and blank inserts featured in the station outlet section.



## Patch Panels

Plug-and-Play Modular Patch Panels

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As a part of the TrueNet® end-to-end solution, plug-and-play patch panels offer maximum versatility for any installation. These TrueNet panels come in three different versions, the Patch Plus panel, High-density Plug-and-Play panel, and the Mini patch panel. These blank patch panels accept all the keystone modular jacks and connectors available for ADC's workstation outlets.

### Features

- Mounts in standard EIA 19-inch (482.6 mm) racks
- Accepts any combination of keystone modular jacks or connectors
- Variety of sizes and port increments to suit most applications



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### Specifications

<b>Operating Temperature Range:</b>	-40° to 70° C (-40° to 158° F)
<b>Safety Rating:</b>	UL 1863
<b>Flammability Rating:</b>	UL 94-V0

### Ordering Information

Description	Dimensions (H x W x D)	Catalog Number
<b>High-Density Plug-and-Play Patch Panels</b> Staggered Plug-and-Play patch panel with cable management 1U 24-port fascia 2U 48-port fascia	1.75" x 19" x 1.5" (44 mm x 483 mm x 38.1 mm) 3.5" x 19" x 1.5" (89 mm x 483 mm x 38.1 mm)	PP24PNPT PP48PNPT
<b>Patch Plus Panel – 24-Port 2 RU Patch Panel</b> Attaches to wall mount brackets or standard TIA/EIA racks. Includes wire management on front and back; Includes station, workstation and panel identification labeling capabilities.	3.5" x 19" x 1.5" (88.9 x 482.6 x 38.1 mm)	6653 2 760-24
<b>Mini Patch Panel – 12-Port</b> Blank mini patch panels include (1) 89D bracket	10" x 2.75" x 1.89" (254 mm x 70 mm x 48 mm)	6653 2 705-12



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