



# Comtest Networks

## “Copper”

### Outside Plant Products and Accessories

## Outside Plant Products

### 1650 Buried Splice Closure (BSC)



CNI 1650 Series Buried Splice Closures are designed with a reinforced heat-shrinkable wraparound sleeve coated internally with a hot-melt adhesive that provides a watertight seal to the cable sheath. This Buried Closure restores the integrity of the cable sheath opening in a “non-pressurized” buried cable environment and can accommodate 25 to 3,600 pair cable splices.

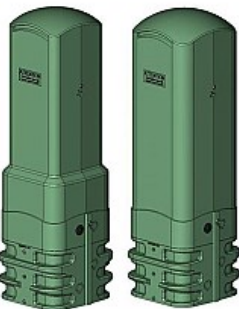
### Mini CST Cold Sealed Terminals



The Mini CST terminal closure is environmentally sealed and available in a 15 pair which can be used above or below grade. Craft friendly, tool-less design requires no additional parts or accessories to install standard 2, 3, 5, or 6 pair buried drops or 2 to 6 pr aerial drops.

This design provides reliable services over copper networks under any outside plant environmental conditions.

### Multi-Use Domed Pedestal (MDP)



The CNI Multi-Use Domed Pedestal (MDP) is manufactured in the USA with UV rated engineered thermoplastic and come in various sizes. The split base is designed with oversized extrusions that establish improved holding power in multiple substrates (soil, gravel, sand etc.) and supports stake mount deployment.

The 3-position internal ladder bracket allows for easy retrofit while allowing multiple tie options. The domed lid sheds rain and snow while preventing water intrusion in the event of a flood. The technician friendly metal latch is at a convenient working height, with tear drop shaped indentation to shed water. Its recessed handles provide easy access and lid removal.

## 25-Pair Pole Mounted Terminal



The 25-Pair pole mounted terminal provides a dependable, long-term means of discrete connections. The “quiet front” Tool-less IDC design eliminates incidental shorts and the High Viscosity Compound (HVC) encapsulation blocks moisture and eliminates corrosion, resulting in trouble-free service.

When using a small pair count drop in a ready access configuration, the 25-Pair IDC block provides quick pair-at-a-time connections without requiring the use of tools. The IDCs latching mechanism ensures wire retention and pullout resistance during drop wire tracing.

The 25-Pair pole mounted terminal can be utilized for outdoor applications such as aerial, wall mount and marina installations.

## 50-Pair Pole Mounted Terminal



The 50-Pair pole mounted terminal provides a dependable, long-term means of discrete connections. The “quiet front” Tool-less IDC design eliminates incidental shorts and the High Viscosity Compound (HVC) encapsulation blocks moisture and eliminates corrosion, resulting in trouble-free service.

When using a small pair count drop in a ready access configuration, the 50-Pair IDC block provides quick pair-at-a-time connections without requiring the use of tools. The IDCs latching mechanism ensures wire retention and pullout resistance during drop wire tracing.

The 50-Pair pole mounted terminal can be utilized for outdoor applications such as aerial, wall mount and marina installations.

## Load Coils and Load Coil POTS



The CNI Load Coil is placed along a telephone line to compensate for the losses in signal over long distances. The load coil induces an electrical current via magnetic fields to compensate for lost signal power.

Both 66mH & 88mH are available and designed to moderate the loss in signals, or attenuation, or minimize it at high voice frequencies in telephone lines.

Potted Load Coils are available in 25 pair, 50 pair, 100 pair and 200 pair options.

## GS3 1650 – Copper Splice Closure Sealing System



The GS3 1650 wrap-around splice closure system provides a fast, simple way to seal and encapsulate telephone cable splices in non-pressurized, buried cable.

GS3 1650 closure sealing sheet material is composed of several layers of specially blended polymers and gels and an aluminum moisture vapor barrier layer. The outer compression wrap provides excellent mechanical strength and provides superior protection from forces such as impact and abrasion.

The innovative Urethane Delivery System drives encapsulant into the core of the cable, providing protection superior to that of traditional poured urethane systems. The compact shape requires less than half the encapsulant of other closures. Filling is simple: no funnel is required. Re-entry is fast and easy when using re-enterable encapsulant.

No special splice supporting procedures are needed for installation. Furthermore, up to three cables can enter each end. No special endplates or complicated cutting is required. The GS3 1650 splice closure system accommodates a wide range of cable diameters; no minimum cable diameter is required.

The GS3 1650 splice closure system is available in diameters for cable sizes up to 3600 pair.

## DTE Domed Terminal Enclosure



The DTE1-P025 terminal closure is environmentally sealed 25 pair terminal which can be used above or below grade. Craft friendly, tool-less design requires no additional parts or accessories to install standard 2, 3, 5, or 6 pair service drops.

This design provides reliable services over copper networks under any outside plant environmental conditions

## DTerminator 2 PTB/PTX/PTP



The DTerminator 2 PTB/PTX/PTP pedestal mounted terminal block system. Three models have been designed.

- 1) The DTerminator 2 PTX upgradable terminal block includes a grounding strip. It is an unprotected model
- 2) The PTX driver modules can be easily replaced in the field with protected driver modules, creating a protected pair unit when needed.
- 3) The DTerminator 2 PTP protected terminal block contains driver modules with environmentally sealed circuit protectors. Each connection is protected by a three-element gas discharge tube.

Contact [sales@comtestnetworks.com](mailto:sales@comtestnetworks.com) for further information

## D Terminator 2 PMT/PMX/PMP



The D Terminator 2 PMT/PMX/PMP terminal systems are pole/wall-mounted terminals utilizing GelGuard gel sealing technology to environmentally protect the wire connections. Three models have been designed.

The D Terminator 2 PMT terminal block offers enhanced characteristics in a rugged aluminum housing with a swing-out door. This model is not protected.

The D Terminator 2 PMX upgradable terminal block includes a ground strip. Although it is an unprotected model, the PMX driver modules can be easily replaced in the field with protected driver modules, creating a protected pair unit when needed, saving unnecessary initial cost.

The D Terminator 2 PMP protected terminal block contains driver modules with factory-sealed circuit protectors. Each connection is protected by a three-element gas discharge tube.

Contact your Comtest Networks Representative for more information.

## Outside Plant Accessories

### Fire Retardant Blanket



SA-HPB0-4040 is a 40"x40" Fire Retardant Blanket made from AMATEX woven thermoglass fabric of medium weight formed with a twill weave construction which has been vertex treated in a blue color.

Applications include stress relief blankets, flange and valve covers, weld curtain material, and drop cloths. It is Resistant to most chemicals and offers good thermal protection to temperatures up to 2000 degrees F.

### 2-Wire Butt Splice Connector



CNI Butt Splice connectors are wire insulation displacement contacts that make dependable electrical connections. The continuity is completed by crimping the wire, with the recommended tool, that then displaces insulation and grips the copper conductors with a firm pressure in one motion. This does not require wire insulation removal, and each connector contains an organic silicon grease sealant to protect against corrosion and repel moisture.

The smaller size of the yellow colored 2-Wire Connector allows it to handle a higher pair count cable while keeping the splice bundle O.D. to a minimum. The two ports accept any two solid copper conductor combinations of 22 - 26 AWG (0.72 mm - 0.4 mm) filled or air core cable with a maximum insulation O.D. of .06" (1.52 mm). The wires joined can be of different wire gauges. 2-Wire Connectors can be used on standard polyethylene wire insulation; polypropylene wire insulation of Filled Cable and on pulp cable. Suitable for use in temperatures 30 to 70°C and humidity range of 0-95%.

## 3-Wire Butt Splice Connector



CNI Butt Splice connectors are wire insulation displacement contacts that make dependable electrical connections. The continuity is completed by crimping the wire, with the recommended tool, that then displaces insulation and grips the copper conductors with a firm pressure in one motion. This does not require wire insulation removal, and each connector contains an organic silicon grease sealant to protect against corrosion and repel moisture.

The UR2 Connector accepts any two or three solid copper conductor combinations of 19-26 AWG (0.9 - 0.4 mm) air core or filled cable with a maximum insulation O.D. of 2.08mm (0.082 "). The wires joined can be of different wire gauges. Suitable for use in temperatures 30 to 70°C and humidity range of 0-95%.

## Butt Splice Crimp Tool



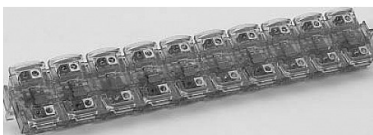
The Butt Splice Crimp Tool is designed with a wire cutter and long nosed stepped jaws for crimping CNI Butt Splice Connectors and similar industry standard butt splice connectors.

The PVC coated handles provide a smooth comfortable grip while cutting soft copper telephone and network wire as well as when crimping the butt splice connectors. The long nosed stepped jaws are designed to provide a parallel crimping action that provides the correct pressure and travel distance to ensure a properly terminated connection.

**Note: Non soft copper telephone wire can damage the cutting blade**

## IDC Cross Connect Blocks

### 10-Pair IDC Block

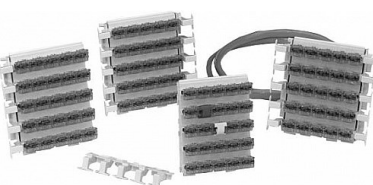


The 10-pair IDC connector system is designed for field termination, with no tools required. The connector system facilitates both feeder and distribution connections in cross-connect, building entrance terminal and network interface applications. The symmetrical mounting provisions, dual-colored tip/ring identifiers and double-sided rockers of the module provide quick, craft-friendly installation and maintenance of terminations. A selection of stainless steel and molded back-mount frames is available to accommodate pair counts ranging from 10 to 400.

MRM-XX-XXX-XXX-XXX

**See Datasheet for Ordering Options**

### 25-Pr IDC Block

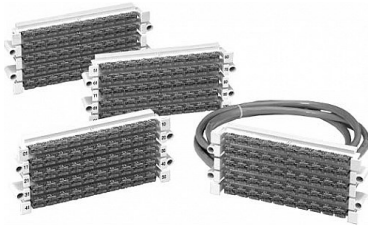


The modular 25-pair untailed or tailed blocks can be stacked vertically or horizontally, enabling assembly of cross-connect fields with any required pair counts. Optional fanning strips can be clipped to the blocks to create wire-guide borders for trouble-free routing and management of jumper wires. Customized blocks are available potted and tailed to length.

MRB-25-XXX-T01-XXX-XXXXX

**See Datasheet for Ordering Options**

## 50-Pr IDC Block



The modular 50-pair untailed or tailed blocks can be stacked vertically or horizontally, enabling assembly of cross-connect fields with any required pair counts. Optional fanning strips can be clipped to the blocks to create wire-guide borders for trouble-free routing and management of jumper wires. Customized blocks are available potted and tailed to length.

MRB-50-XXX-T01-XXX-XXXXX

**See Datasheet for Ordering Options**

## IDC Tailed Terminal Blocks

### 4/5/8-Pair IDC Distribution Terminal Block with Tail



The IDC Tailed Terminal Blocks come in multiple configurations with a cable stub for use in pedestal closures and end of the line terminal applications that makes copper connectivity and wire management throughout your copper network simple, reliable and affordable.



## 10/25-Pair IDC Terminal Block F Series



The 10/25-Pair IDC Block tail provides a dependable, long-term means of discrete connections. The “quiet front” design eliminates incidental shorts and the High Viscosity Compound (HVC) encapsulation blocks moisture and eliminates corrosion, resulting in trouble-free service.

## 25-Pair IDC Tailed Terminal Block A-Series



The 25-Pair IDC Tailed Terminal Block makes copper connectivity and wire management throughout your copper network simple, reliable and affordable. Every aspect of the data ready IDCs design has been optimized for ease of use. Wires are easy to insert, and secure connections are simple to establish and verify. Pair-at-a-time jumper connections speed up jumping, and easy line disconnections make service provisioning a snap. The IDC requires no tools, making wire terminations fast and easy.

# Thank You

**Please Contact us for  
additional assistance**

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[comtestnetworks.com](http://comtestnetworks.com)