

# BELDEN

SENDING ALL THE RIGHT SIGNALS®

**The Industry Leader in True 360°  
Compression Connectors & Tooling Systems**



**BROADCAST**



**AUDIO / VIDEO**



**SECURITY**



**COMMERCIAL**



**COMPRESSION TOOLS**



[www.icmcorp.net](http://www.icmcorp.net)

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## Compression Connectors

Belden's F-Conn Compression Connectors are the reason we are recognized today as an industry leader of TRUE 360° compression.

These patented features allow us to provide a permanent connection from the start:

- TRUE 360° compression technology
- Designed to reduce forward reflection
- Provides superior pullout strength
- Internal compression rings eliminate ingress/egress
- NO soldering required
- Meet/ Exceed SCTE-IPC and Bellcore requirements
- One-piece design option eliminates loose pins and sleeves
- Patented non-blind entry assists with the insertion of the cable into the connector
- High-quality, ISO 9001 certified manufacturing facility

| Connector Type                | Cable Size |      |       |     |      |     |      |
|-------------------------------|------------|------|-------|-----|------|-----|------|
|                               | RG6        | RG59 | RG59Q | RG6 | RG6Q | RG7 | RG11 |
| F-CONN BASIC SERIES           |            | X    | X     | X   | X    | X   | X    |
| F-CONN COMMERCIAL/NICKEL (FS) | X          | X    | X     | X   | X    |     | X    |
| F-CONN GOLD (RG)              | X          | X    | X     | X   | X    |     |      |
| F-CONN DOUBLE BUBBLE          | X          | X    | X     | X   | X    |     |      |
| WALL PLATE SPLICE (FEMALE)    | X          | X    | X     | X   | X    |     |      |

## Universal Compression Connectors

INDUSTRY USE: COMMERCIAL • PROFESSIONAL A/V • SECURITY

- F-Conn compression connectors are universal for PVC coax RG59 and RG6
- Available in F, RCA and BNC
- Choice of nickel (FS) or gold (RG) connectors



**CPLCCT-SLM**



**PS59/6/RGB**



**PSA59/6**

| Nickel Part# | Gold Part# | Connector Description                      | Tip Req'd | Tool Req'd |
|--------------|------------|--------------------------------------------|-----------|------------|
| FS59BNCU     | RG59BNCU   | RG59 Universal BNC (Red)                   | NONE      | CPLCCT-SLM |
| FS59RCAU     | RG59RCAU   | RG59 Universal RCA (Red)                   | LMTIP-S/G | CPLCCT-SLM |
| FS59U        | RG59U      | RG59 Universal F (Red)                     | LMTIP-S/G | CPLCCT-SLM |
| FS59IECUF    | RG59IE-CUF | RG59 European IEC Connector, Female (Red)  | LMTIP-IEC | CPLCCT-SLM |
| FS59IECUM    |            | RG59 European IEC Connector, Male (Red)    | LMTIP-IEC | CPLCCT-SLM |
| FS6BNCU      | RG6BNCU    | RG6 Universal BNC (Green)                  | NONE      | CPLCCT-SLM |
| FS6RCAU      | RG6RCAU    | RG6 Universal RCA (Green)                  | LMTIP-S/G | CPLCCT-SLM |
| FS6U         | RG6U       | RG6 Universal F (Green)                    | LMTIP-S/G | CPLCCT-SLM |
| FS6IECUF     | RG6IECUF   | RG6 European IEC Connector, Female (Green) | LMTIP-IEC | CPLCCT-SLM |
| FS6IECUM     |            | RG6 European IEC Connector, Male (Green)   | LMTIP-IEC | CPLCCT-SLM |

## Plenum and Security (CCTV) Compression Connectors

INDUSTRY USE: COMMERCIAL • SECURITY

- Available in F, RCA and BNC for a variety of cable sizes
- Specially engineered plenum connectors provide an easy custom fit
- Plenum and Security (CCTV) connectors are available for SLM and DB Systems
- The Security connectors are designed for CCTV coaxial cable with copper braiding and a solid copper center conductor
- For ease of installation use the Cable Pro FIT-59 or FIT-6 Insertion Tool



| Part#      | Connector Description                     | Tip Req'd | Tool Req'd |
|------------|-------------------------------------------|-----------|------------|
| FS59RCASL  | RG59 Security (CCTV) RCA (Red) - Nickel   | LMTIP-S   | CPLCCT-SLM |
| FS59BNCSL  | RG59 Security (CCTV) BNC (Red) - Nickel   | NONE      | CPLCCT-SLM |
| FS59PL     | RG59 Plenum F-type Size 1 (Red) - Nickel  | LMTIP-S   | CPLCCT-SLM |
| FS59PL2    | RG59 Plenum F-type Size 2 (Red) - Nickel  | LMTIP-S   | CPLCCT-SLM |
| FS59PL4    | RG59 Plenum F-type Size 4 (Red) - Nickel  | LMTIP-S   | CPLCCT-SLM |
| FS59RCAPL  | RG59 Plenum RCA Size 1 (Red) - Nickel     | LMTIP-S   | CPLCCT-SLM |
| FS59RCAPL2 | RG59 Plenum RCA Size 2 (Red) - Nickel     | LMTIP-S   | CPLCCT-SLM |
| FS59RCAPL3 | RG59 Plenum RCA Size 3 (Red) - Nickel     | LMTIP-S   | CPLCCT-SLM |
| FS59BNCPL  | RG59 Plenum BNC Size 1 (Red) - Nickel     | NONE      | CPLCCT-SLM |
| FS59BNCPL2 | RG59 Plenum BNC Size 2 (Red) - Nickel     | NONE      | CPLCCT-SLM |
| FS59BNCPL3 | RG59 Plenum BNC Size 3 (Red) - Nickel     | NONE      | CPLCCT-SLM |
| FS59BNCPL4 | RG59 Plenum BNC Size 4 (Red) - Nickel     | NONE      | CPLCCT-SLM |
| FS6PL      | RG6 Plenum F-type Size 1 (Green) - Nickel | LMTIP-S   | CPLCCT-SLM |
| FS6PL2     | RG6 Plenum F-type Size 2 (Green) - Nickel | LMTIP-S   | CPLCCT-SLM |
| FS6RCAPL   | RG6 Plenum RCA Size 1 (Green) - Nickel    | LMTIP-S   | CPLCCT-SLM |
| FS6RCAPL2  | RG6 Plenum RCA Size 2 (Green) - Nickel    | LMTIP-S   | CPLCCT-SLM |
| FS6BNCPL   | RG6 Plenum BNC Size 1 (Green) - Nickel    | NONE      | CPLCCT-SLM |
| FS6BNCPL2  | RG6 Plenum BNC Size 2 (Green) - Nickel    | NONE      | CPLCCT-SLM |

**NOTE:** All cable for Belden compression connectors should be sized using the Belden Cable Sizing Chart located on pages 40-43 or at [www.icmcorp.net/ICM\\_techinfo.com](http://www.icmcorp.net/ICM_techinfo.com)

## RGB/ Mini Coax Compression Connectors

INDUSTRY USE: COMMERCIAL • PROFESSIONAL A/V • SECURITY

- Available in two sizes:
  - RG15 (22-24 AWG), purple
  - RG1 (25-26 AWG), orange
- F, RCA & BNC connector types
- Multi-piece RGB connectors are for solid center wire or stranded cable
- One-piece RGB connectors are for solid center conductor wire only, allowing installers to save time while retaining quality
- RGB F pin-type connector for RG15 (22-24AWG wire)
- Stringent testing standards demonstrate superior return loss numbers on all our RGB/ mini coax connectors



| Nickel Part# | Gold Part# | Connector Description                                   | Tip Req'd | Tool Req'd |
|--------------|------------|---------------------------------------------------------|-----------|------------|
| FS15         |            | F, 1 Piece Solid Center Cond., RGB 22-24 AWG (Purple)   | LMTIP-S   | CPLCCT-SLM |
| FS15BNC      | RG15BNC    | BNC, 1 Piece Solid Center Cond., RGB 22-24 AWG (Purple) | NONE      | CPLCCT-SLM |
| FS15RCA      | RG15RCA    | RCA, 1 Piece Solid Center Cond., RGB 22-24 AWG (Purple) | LMTIP-S/G | CPLCCT-SLM |
| FS1BNC       | RG1BNC     | BNC, 1 Piece Solid Center Cond., RGB 24-26 AWG (Orange) | NONE      | CPLCCT-SLM |
| FS1RCA       | RG1RCA     | RCA, 1 Piece Solid Center Cond., RGB 24-26 AWG (Orange) | LMTIP-S/G | CPLCCT-SLM |
| FSBNC15RGB   | RGBNC15RGB | BNC, Multi-Piece, RGB 22-24 AWG (Purple)                | NONE      | CPLCCT-SLM |
| FSRCA15RGB   | RGRCA15RGB | RCA, Multi-Piece, RGB 22-24 AWG (Purple)                | LMTIP-S/G | CPLCCT-SLM |
| FSBNC1RGB    | RGBNC1RGB  | BNC, Multi-Piece, RGB 24-26 AWG (Orange)                | NONE      | CPLCCT-SLM |
| FSRCA1RGB    | RGRCA1RGB  | RCA, Multi-Piece, RGB 24-26 AWG (Orange)                | LMTIP-S/G | CPLCCT-SLM |

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## Right Angle Compression Connectors

INDUSTRY USE: COMMERCIAL • PROFESSIONAL A/V • SECURITY

- Designed to allow for adequate cable bend radius when space is limited
- A great solution for flush mounts, TV rack mounts, plasma/LCD televisions, and dome security camera installations
- Features a positive stop design to help guide the cable into the connector and prevent it from being over-compressed
- F, RCA and BNC are available for RG59, RG6 and RGB/ mini coax cable sizes



| Part#      | Connector Description                                            | Tip Req'd | Tool Req'd |
|------------|------------------------------------------------------------------|-----------|------------|
| FSRCA15RA  | RCA 15RGB, Right Angle, Multi-piece, 22-24 AWG (Purple) - Nickel | LMTIP-RA  | CPLCCT-SLM |
| FSBNC15RA  | BNC 15RGB, Right Angle, Multi-piece, 22-24 AWG (Purple) - Nickel | LMTIP-RA  | CPLCCT-SLM |
| FSRCA1RA   | RCA 1RGB, Right Angle, Multi-piece, 25-26 AWG (Orange) - Nickel  | LMTIP-RA  | CPLCCT-SLM |
| FSBNC1RA   | BNC 1RGB, Right Angle, Multi-piece, 25-26 AWG (Orange) - Nickel  | LMTIP-RA  | CPLCCT-SLM |
| FS59URA    | RG59 F-type Universal Right Angle (Red) - Nickel                 | LMTIP-RA  | CPLCCT-SLM |
| FSRCA59URA | RG59 RCA Universal Right Angle (Red) - Nickel                    | LMTIP-RA  | CPLCCT-SLM |
| FSBNC59URA | RG59 BNC Universal Right Angle (Red) - Nickel                    | LMTIP-RA  | CPLCCT-SLM |
| FS6URA     | RG6 F-type Universal Right Angle (Green) - Nickel                | LMTIP-RA  | CPLCCT-SLM |
| FSRCA6URA  | RG6 RCA Universal Right Angle (Green) - Nickel                   | LMTIP-RA  | CPLCCT-SLM |
| FSBNC6URA  | RG6 BNC Universal Right Angle (Green) - Nickel                   | LMTIP-RA  | CPLCCT-SLM |

**NOTE:** All cable for Belden compression connectors should be sized using the Belden Cable Sizing Chart located on pages 40-43 or at [www.icmcorp.net/ICM\\_techinfo.com](http://www.icmcorp.net/ICM_techinfo.com)

## Speaker Compression Connector Series

INDUSTRY USE: COMMERCIAL • PROFESSIONAL A/V



- Patented design makes other audio connectors obsolete
- Fits 12, 14 and 16 AWG cable
- Two color rings per connector. CEA color-coding compatible
- Screw-on tips (spade, banana, and pin type) allow for quick connector format conversion
- Speaker binding post is designed to work in conjunction with the speaker connector line
- Based on the same universal tool platform series (CPLCCT-SLM) as all Belden connectors
- Works with Belden's Wall Plate System and corresponding modular speaker installations



Speaker Installation

### Speaker Series

| Part#                                                                                                                                                                                           | Connector Description                                  | Tip Req'd | Tool Req'd |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|-----------|------------|
| RGSPU                                                                                                                                                                                           | 4 Speaker Connectors*                                  | LMTIP-G   | CPLCCT-SLM |
| RGSPURA                                                                                                                                                                                         | 4 Right Angle Speaker Connectors*                      | LMTIP-RA  | CPLCCT-SLM |
| *Each 4 pack includes 12, 14, and 16 AWG Sleeves - (4)Red / (6)Black Colored Rings                                                                                                              |                                                        |           |            |
| RGSBPOST                                                                                                                                                                                        | Female Speaker Binding Post 2 pack (1 red / 1 black)** | LMTIP-G   | CPLCCT-SLM |
| **Each 2 pack includes 2 posts, (1) Red screw nut and (1) Black screw nut also (2) Red 12 AWG, (2) Green 14 AWG, and (2) Yellow 16 AWG Sleeves. (Requires module clip to fit Wall Plate System) |                                                        |           |            |

### Screw-on Speaker Tips

| Part#  | Connector Description |
|--------|-----------------------|
| RGSPPL | SPADE TIP             |
| RGSPB  | BANANA TIP            |
| RGSP   | PIN TIP               |



## FSCR-\* Compression Connector Color Bands

INDUSTRY USE: COMMERCIAL • PROFESSIONAL A/V

- Choose from an assortment of patented color bands to make cables and wires easy to identify
- Simply slide the selected color band on over the compressed connector for easy identification



| Part#  | Description              |
|--------|--------------------------|
| FSCR-* | Universal Color Band - * |

\*Available in B-Blue, BK-Black, BN-Brown, G-Green, GY-Grey, LG-Light Green, LP-Light Purple, O-Orange, P-Purple, PK-Pink, R-Red, T-Tan, W-White and Y-Yellow

## HIPO\* Color O-Rings

- Variety of color O-rings specifically designed for our splice connectors



| Part# | Description                |
|-------|----------------------------|
| HIPO* | Universal Color O-Ring - * |

\* = specify color choice: B-Blue, G-Green, K-Black, O-Orange, P-Purple, R-Red, W-White, Y-Yellow

## HIP Wall Plate System Components

INDUSTRY USE: COMMERCIAL • PROFESSIONAL A/V

As the single source for all your custom residential installation needs, Belden's Home Integration Products (HIP) brings you an entire line of high-quality products that work together seamlessly.



# CHOOSE YOUR WALL PLATE DESIGN!

## Keystone Wall Plates

- The Keystone Wall Plate Series features a simple, one-piece design



| Part#      | Description                       |
|------------|-----------------------------------|
| HIPBLANK-* | Blank Wall Plate, Single Gang - * |
| HIPWP*     | Wall Plate, Single Port - *       |
| HIPWP2*    | Wall Plate, Dual Port - *         |
| HIPWP3*    | Wall Plate, Triple Port - *       |
| HIPWP4*    | Wall Plate, Quad Port - *         |
| HIPWP6*    | Wall Plate, Six Port - *          |

\* = specify color choice: AL-Almond, BK-Black, IV-Ivory, LA-Light Almond, WH-White

## Decora Wall Plates and Inserts

- The Decora Series is a superior quality wall plate system giving professional installers complete control over the installation project



### Decora Wall Plates

| Part#    | Description                    |
|----------|--------------------------------|
| HIPDWP*  | Decora Wall Plate, Single Gang |
| HIPDWP2* | Decora Wall Plate, Double Gang |
| HIPDWP3* | Decora Wall Plate, Triple Gang |
| HIPDWP4* | Decora Wall Plate, Quad Gang   |

\* = specify color choice: AL-Almond, BK-Black, IV-Ivory, WH-White

### Decora Inserts

| Part#   | Description               |
|---------|---------------------------|
| HIPDI*  | Decora Insert Single Port |
| HIPDI2* | Decora Insert Double Port |
| HIPDI3* | Decora Insert Triple Port |
| HIPDI4* | Decora Insert Quad Port   |
| HIPDI6* | Decora Insert Six Port    |

\* = specify color choice: AL-Almond, BK-Black, IV-Ivory, WH-White

## High Density Wall Plates

- Single and Dual high density wall plates available with an easy snap-on cover



### Single High Density Wall Plates

| Part#     | Description                        |
|-----------|------------------------------------|
| HIPHDWP-* | Single High Density Wall Plate - * |

\* = specify color choice: BK-Black, IV-Ivory, LA-Light Almond, WH-White



### Dual High Density Wall Plates

| Part#      | Description                        |
|------------|------------------------------------|
| HIPHDDWP-* | Single High Density Wall Plate - * |

\* = specify color choice: BK-Black, IV-Ivory, LA-Light Almond, WH-White

## CHOOSE YOUR WALL PLATE OPTIONS!

### Wall Plate Modules

- Interchangeable modular clips, inserts and plugs work with both Keystone and Decora Wall Plate Systems
- Modular clips, inserts and plugs feature a clip mount for ease of installation
- Professional installers have the option to use a full include range of audio, video and network formats that the RJ11, RJ45, CAT5e and CAT6 Punch Down Jack
- Available in the corresponding wall plate colors and work with Belden's splice (female) connectors



### Universal Insert Modules

| Part#  | Description             |
|--------|-------------------------|
| HIPU*M | Universal Insert Module |

\* = specify color choice: AL-Almond, BK-Black, IV-Ivory, LA-Light Almond, WH-White

### Blank Insert Modules

| Part#      | Description         |
|------------|---------------------|
| BLANKMOD-* | Blank Insert Module |

\* = specify color choice: AL-Almond, BK-Black, IV-Ivory, LA-Light Almond, WH-White

## Phone/ Data Insert Modules

| Part#       | Connector Description               | Tool Req'd |
|-------------|-------------------------------------|------------|
| HIPRJ11-50* | RJ11 w/ 50 Micron Gold Plate        | NO TOOL    |
| HIPRJ45-50* | RJ45 w/ 50 Micron Gold Plate        | NO TOOL    |
| HIPPDRJ11W  | RJ11 Phone Punch Down Jack - WHITE  | CPCAT5-PDT |
| HIPPDC5EO   | RJ45 Cat5e Punch Down Jack - ORANGE | CPCAT5-PDT |
| HIPPDC5EB   | RJ45 Cat5e Punch Down Jack - BLUE   | CPCAT5-PDT |
| HIPPDC5EW   | RJ45 Cat5e Punch Down Jack - WHITE  | CPCAT5-PDT |
| HIPPDC6O    | RJ45 Cat6 Punch Down Jack - ORANGE  | CPCAT5-PDT |

\* = specify color choice: AL-Almond, BK-Black, WH-White, O-Orange, B-Blue

## CHOOSE YOUR SPLICE CONNECTOR!

### Splice (Female) Compression Connectors



- Designed for use with our patented Wall Plate System and Cable Pro's Linear Compliant Compression Tool (**CPLCCT-SLM**)
- F, RCA and BNC for RG59, RG6 and RGB/ mini coax cables
- Splices are offered in nickel (FS) or gold (RG)
- By utilizing a standalone female splice, installers are able to directly connect two wires eliminating a coupler or splice barrel, thus reducing signal loss and saving installation time

### Splice (Female) Compression Connectors

| Part#                                      | Connector Description                   | Tip Req'd | Tool Req'd |
|--------------------------------------------|-----------------------------------------|-----------|------------|
| FS15RCASST (Nickel)<br>RG15RCASST (Gold)   | RCA 15RGB, Splice<br>22-24 AWG (Purple) | LMTIP-WP  | CPLCCT-SLM |
| FS15BNCSSST (Nickel)<br>RG15BNCSSST (Gold) | BNC 15RGB, Splice<br>22-24 AWG (Purple) | NONE      | CPLCCT-SLM |
| FS1RCASST (Nickel)<br>RG1RCASST (Gold)     | RCA 1RGB, Splice<br>24-26 AWG (Orange)  | LMTIP-WP  | CPLCCT-SLM |
| FS1BNCSSST (Nickel)<br>RG1BNCSSST (Gold)   | BNC 1RGB, Splice<br>24-26 AWG (Orange)  | NONE      | CPLCCT-SLM |

|                                        |                                                |          |            |
|----------------------------------------|------------------------------------------------|----------|------------|
| FS59US (Nickel)<br>RG59US (Gold)       | RG59 F-type, Universal<br>Splice (Red)         | LMTIP-WP | CPLCCT-SLM |
| FS59RCAUS (Nickel)<br>RG59RCAUS (Gold) | RG59 RCA, Universal<br>Splice (Red)            | LMTIP-WP | CPLCCT-SLM |
| FS59BNCUS (Nickel)<br>RG59BNCUS (Gold) | RG59 BNC, Universal<br>Splice (Red)            | NONE     | CPLCCT-SLM |
| FS6US (Nickel)<br>RG6US (Gold)         | RG6 F-type, Universal<br>Splice (Green)        | LMTIP-WP | CPLCCT-SLM |
| FS6RCAUS (Nickel)<br>RG6RCAUS (Gold)   | RG6 RCA, Universal Splice<br>Connector (Green) | LMTIP-WP | CPLCCT-SLM |
| FS6BNCUS (Nickel)<br>RG6BNCUS (Gold)   | RG6 BNC, Universal Splice<br>Connector (Green) | NONE     | CPLCCT-SLM |

## Double Bubble™ Compression Connectors

INDUSTRY USE: SECURITY • BROADCAST • COMMERCIAL  
LAW ENFORCEMENT • CATV • SATELLITE

- Double Bubble™ compression connectors are designed for structured wiring, security cameras and other exposed wiring installations
- F, RCA and BNC for RG59 and RG6 cables
- BNC and RCA connectors for RGB/ mini coax cables



### Double Bubble Compression Connectors

| Part#    | Connector Description                  | Tip Req'd | Tool Req'd |
|----------|----------------------------------------|-----------|------------|
| DB1RCA   | RGB/ Mini Coax (25-26AWG) RCA (Orange) | LMTIP-S   | CPLCRBC-B  |
| DB1BNC   | RGB/ Mini Coax (25-26AWG) BNC (Orange) | NONE      | CPLCRBC-B  |
| DB15RCA  | RGB/ Mini Coax (22-24AWG) RCA (Purple) | LMTIP-S   | CPLCRBC-B  |
| DB59U    | RG59 F-type Double Bubble™ connector   | LMTIP-S   | CPLCRBC-B  |
| DB59RCAU | RG59 RCA Double Bubble™ connector      | LMTIP-S   | CPLCRBC-B  |
| DB59BNCU | RG59 BNC Double Bubble™ connector      | NONE      | CPLCRBC-B  |
| DB6U     | RG6 F-type Double Bubble™ connector    | LMTIP-S   | CPLCRBC-B  |
| DB6RCAU  | RG6 RCA Double Bubble™ connector       | LMTIP-S   | CPLCRBC-B  |

**NOTE:** All cable for Belden compression connectors should be sized using the Belden Cable Sizing Chart located on pages 40-43 or at [www.icmcorp.net/ICM\\_techinfo.com](http://www.icmcorp.net/ICM_techinfo.com)

## Plenum and Security (CCTV) Compression Connectors

INDUSTRY USE: SECURITY • BROADCAST  
SATELLITE • CATV



- Specially engineered plenum connectors make installations easier
- F, RCA and BNC for a variety of RG59 and RG6 cable sizes
- Security (SL) connectors are designed for RG59 CCTV coaxial cables with copper braiding and solid copper center conductor in RCA and BNC



| Part#          | Connector Description       | Tip Req'd | Tool Req'd |
|----------------|-----------------------------|-----------|------------|
| DB59RCASL      | RG59 Security RCA           | LMTIP-S   | CPLCRBC-B  |
| DB59BNCSL      | RG59 Security BNC           | NONE      | CPLCRBC-B  |
| DB59PL2/4      | RG59 Plenum Size 2/4 F-type | LMTIP-S   | CPLCRBC-B  |
| DB59RCAPL2/3/4 | RG59 Plenum Size 2/4 RCA    | LMTIP-S   | CPLCRBC-B  |
| DB59BNCP2/4    | RG59 Plenum Size 2/4 BNC    | NONE      | CPLCRBC-B  |
| DB59BNCP3      | RG59 Plenum Size 3 BNC      | NONE      | CPLCRBC-B  |
| DB6PL2         | RG6 Plenum Size 2 F-type    | LMTIP-S   | CPLCRBC-B  |
| DB6RCAPL2      | RG6 Plenum Size 2 RCA       | LMTIP-S   | CPLCRBC-B  |
| DB6BNCP2       | RG6 Plenum Size 2 BNC       | NONE      | CPLCRBC-B  |

**NOTE:** All cable for Belden compression connectors should be sized using the Belden Cable Sizing Chart located on pages 40-43 or at [www.icmcorp.net/ICM\\_techinfo.com](http://www.icmcorp.net/ICM_techinfo.com)

## DS3 & DS4 BNC Compression Connectors

INDUSTRY USE: SECURITY • BROADCAST • TELEPHONY

- The premier solution for high volume, digital signal quality
- Designed to fit a variety of DS3 & DS4 cable manufacturers



| Part#     | Connector Description    | Tip Req'd | Tool Req'd |
|-----------|--------------------------|-----------|------------|
| DBDS3BNC  | BNC for DS3 Cable        | NONE      | CPLCRBC-B  |
| DBDS4BNC  | BNC for DS4 Cable        | NONE      | CPLCRBC-B  |
| DBDS4BNCP | BNC for DS4 Plenum Cable | NONE      | CPLCRBC-B  |

## ITS BNC Compression Connectors Intelligent Transportation Systems

INDUSTRY USE: TOLL ROADS & CAMERAS

Belden offers the Intelligent Transportation Systems (ITS) BNC compression connector as the superior connection solution for a broad range of wire-line communications-based information, control and electronic equipment.

- Designed for **Belden 8281 & 8281B** cable
- **DB59BNC SL2-M** (male) is a standard BNC connector
- **DB59BNC SL2-F** (female) is a splice BNC connector
  - compress with LMTIP-WP adapter tip
- ITS BNC will fit both stranded and solid ITS cables
- Use the **FIT-SL2** tool to assist with inserting the connector onto the ITS cable
- Use the **PS11** Cable Strip tool



CPLCRBC-ITS



PS11



| Part#         | Connector Description             | Tip Req'd | Tool Req'd  |
|---------------|-----------------------------------|-----------|-------------|
| DB59BNC SL2-M | RG59 Security Male BNC            | NONE      | CPLCRBC-ITS |
| DB59BNC SL2-F | RG59 Security Female (Splice) BNC | LMTIP-WP  | CPLCRBC-ITS |

## DB58UHF 50 Ohm Compression Connectors

INDUSTRY USE: SECURITY • MOBILE RADIO  
LAW ENFORCEMENT

- Mini-UHF Plug
- One-piece design and non-blind entry
- 360 compression around cable jacket
- **RBCTIP-UHF** adapter tip required
  - included with connector purchase



CPLCRBC

| Part#   | Connector Description | Tip Req'd  | Tool Req'd |
|---------|-----------------------|------------|------------|
| DB58UHF | 50 Ohm Connector      | RBCTIP-UHF | CPLCRBC-B  |

Double Bubble™ Compression Connectors



## BNC High-Definition Broadcast Connectors

INDUSTRY USE: SECURITY • BROADCAST • PRO A/V

Designed specifically for Belden Brilliance Broadcast and Professional A/V coaxial cables, HD Brilliance Connectors maximize broadcast signal integrity, quality, performance and durability.

Three connector types, each offering varying levels of electrical performance and installation speed.

- True 75  $\Omega$  performance
- Extended BNC head knurl design to ease identification and installation
- Superior return loss through 4.5 GHz, exceeds SMPTE standards
- Excellent holding force exceeds 100 lbs., depending on cable type
- Fast installation with 1-piece design



### Best: Locking 1-Piece Design

- Screw-lock collar provides superior electrical signal performance by creating coaxial alignment between the cable and connector center pin, delivering exceptional return loss performance on the cable
- A non-blind entry ensures the center conductor is properly inserted into the center pin, simplifying the installation
- Improved insulator materials sustain maximum return loss performance
- 1-Piece design eliminates pin, collar and connector as separate components to make the installation faster and more efficient
- Internal 360 compression rings provide excellent holding strength and eliminate ingress and egress from the back of the connector



#### Locking 1-Piece Compression

| Part#     | Connector Description                      | Tip Req'd | Tool Req'd |
|-----------|--------------------------------------------|-----------|------------|
| 1505ABHDL | RG59 HD BNC (Red) - Nickel                 | NONE      | CPLCRBC    |
| 1506ABHDL | RG59 Plenum Size 2/4 HD BNC (Red) - Nickel | NONE      | CPLCRBC    |
| 1694ABHDL | RG6 HD BNC (Green) - Nickel                | NONE      | CPLCRBC    |
| 1695ABHDL | RG6 Plenum Size 2 HD BNC (Green) - Nickel  | NONE      | CPLCRBC    |
| 1855ABHDL | 22-24AWG HD BNC (Purple) - Nickel          | NONE      | CPLCRBC    |
| 179DTBHDL | 179 Digital Truck HD BNC (Yellow) - Nickel | NONE      | CPLCRBC    |

## Better: 1-Piece Design

Offers excellent return loss performance, but with a faster, simpler installation, and the benefit of a custom fit with Belden Brilliance cable. Same great 1-piece design features of non-blind entry, compression rings and improved insulator, providing easy and repeatable installation every time. The Belden 1-Piece compression technology is a fast and proven approach to a Belden end-to-end solution.



### 1-Piece Compression

| Part#     | Connector Description                      | Tip Req'd | Tool Req'd |
|-----------|--------------------------------------------|-----------|------------|
| 1505ABHD1 | RG59 HD BNC (Red) - Nickel                 | NONE      | CPLCRBC    |
| 1506ABHD1 | RG59 Plenum Size 2/4 HD BNC (Red) - Nickel | NONE      | CPLCRBC    |
| 1694ABHD1 | RG6 HD BNC (Green) - Nickel                | NONE      | CPLCRBC    |
| 1695ABHD1 | RG6 Plenum Size 2 HD BNC (Green) - Nickel  | NONE      | CPLCRBC    |
| 1855ABHD1 | 22-24AWG HD BNC (Purple) - Nickel          | NONE      | CPLCRBC    |
| 1794ABHD1 | RG7 HD BNC (White) - Nickel                | NONE      | CPLCRBC    |
| 179DTBHD1 | 179 Digital Truck HD BNC (Yellow) - Nickel | NONE      | CPLCRBC    |

## Good: 3-Piece Design

Traditional pin, collar and connector approach, but designed specifically for Belden cable tolerances for better return loss performance and durability. Compatible with most existing crimp tools and die sets.



### 3-Piece Crimp

| Part#     | Connector Description                      | Tip Req'd | Tool Req'd |
|-----------|--------------------------------------------|-----------|------------|
| 1505ABHD3 | RG59 HD BNC (Red) - Nickel                 | NONE      | BB3PHCT    |
| 1506ABHD3 | RG59 Plenum Size 2/4 HD BNC (Red) - Nickel | NONE      | BB3PHCT    |
| 1694ABHD3 | RG6 HD BNC (Green) - Nickel                | NONE      | BB3PHCT    |
| 1695ABHD3 | RG6 Plenum Size 2 HD BNC (Green) - Nickel  | NONE      | BB3PHCT    |
| 1855ABHD3 | 22-24AWG HD BNC (Purple) - Nickel          | NONE      | BB3PHCT    |
| 179DTBHD3 | 179 Digital Truck HD BNC (Yellow) - Nickel | NONE      | BB3PHCT    |

**NOTE:** All cable for Belden compression connectors should be sized using the Belden Cable Sizing Chart located on pages 40-43 or at [www.icmcorp.net/ICM\\_techinfo.com](http://www.icmcorp.net/ICM_techinfo.com)

## Compression Connector Accessories

### Strain Relief Boots

INDUSTRY USE: SECURITY • BROADCAST • A/V • COMMERCIAL

Belden's strain relief boots provide enhanced strain relief and connector protection for your installation. The boot is an optional cable termination sleeve designed and manufactured to protect the cable's bend radius so as not to damage the cable and connection caused by wire strain.

### SLS-59/6 Strain Relief Boots

*For RG59 and RG6 Coaxial Cable.*

- Extended design includes three tiers that can be cut to customize for RG59 or RG6 cable diameters
- Extended weather resistant boot (black) with enhanced strain relief



### SLS-RGB\* Strain Relief Boots

*For RGB/ Mini Coaxial Cable.*

- Made with a weather resistant material to provide superior protection at the base of the connector
- Available in four colors, and features an extended boot design to provide enhanced strain relief
- Custom fit for F-Conn's FS and DB series (F, RCA and BNC) RGB/ mini coax compression connectors



\*Indicate color when ordering:  
Yellow, Red,  
White or Black

## RG11 Compression Connectors

INDUSTRY USE: CATV • BROADCAST • COMMERCIAL

- **FS11V** Standard RG11 F-type
- **FS11PL** F-type for plenum cables
- **FS11RA** F-type right angle
- Universal 7/16" nut eliminates extra installation tools
- Use the Cable Pro **PS11** cable strip tool to prep RG11 connectors
- 30% more threads create a secure, weather-tight termination and increased pull-out strength
- One-piece design simplifies installation



| Part#  | Connector Description             | Tool Req'd     |
|--------|-----------------------------------|----------------|
| FS11V  | RG11 75 Ohm F-type Connector      | CPLCCT-SS59/11 |
| FS11PL | RG11 Plenum F-type Connector      | CPLCCT-SS59/11 |
| FS11RA | RG11 Right Angle F-type Connector | CPLCCT-SS59/11 |

## RG11 BNC Compression Connector

INDUSTRY USE: CATV • BROADCAST

A connector this tough requires the strength of the **CPLCCT-11BNC** tool to create a superior, long-lasting connection.



| Part#   | Connector Description     | Tool Req'd   |
|---------|---------------------------|--------------|
| FS11BNC | RG11 75 Ohm BNC Connector | CPLCCT-11BNC |

## Basic Compression Connector Series

INDUSTRY USE: CATV

- Designed for standard and quad size cables
- Option of "O" ring located on the front nut of the connector
- Available in F-type and RCA connectors
- Compress with the **RTC 360** or **CPLCRTC** tool



| Part#      | Connector Description                                                                               | Tool Req'd       |
|------------|-----------------------------------------------------------------------------------------------------|------------------|
| RG59NR     | RG59 F-type Connector for Headend Cable                                                             | RTC 360/ CPLCRTC |
| RG59WR     | RG59 F-type Connector w/ Internal Sealing Rings for 67% to Quad Shield, Indoor                      | RTC 360/ CPLCRTC |
| RG59WRO    | RG59 F-type Connector w/ Internal Sealing Rings for 67% to Quad Shield, External O-Ring for Outdoor | RTC 360/ CPLCRTC |
| RG59-RCAWR | RG59 RCA Connector w/ Internal Sealing Rings                                                        | RTC 360/ CPLCRTC |
| RG6WR      | RG6 F-type Connector w/ Internal Sealing Rings for 60% to Tri-Shield, Indoor                        | RTC 360/ CPLCRTC |
| RG6WRO     | RG6 F-type Connector w/ Internal Sealing Rings for 60% to Tri-Shield, External O-Ring for Outdoor   | RTC 360/ CPLCRTC |
| RG6-RCAWR  | RG6 RCA Connector w/ Internal Sealing Rings                                                         | RTC 360/ CPLCRTC |
| RG6NR      | RG6 F-type Connector, for Quad Shield, Indoor                                                       | RTC 360/ CPLCRTC |
| RG6NRO     | RG6 F-type Connector, for Quad Shield, External O-Ring for Outdoor                                  | RTC 360/ CPLCRTC |
| F11WR      | RG11 F-type Connector for 60% to Quad Shield, Twist-On                                              | No Tool Required |
| F81-RS     | F81 Splice w/ Round Seizure                                                                         | No Tool Required |
| F81-RS/NW  | F81 Splice w/ Round Seizure and Nut/Washer                                                          | No Tool Required |

## Cable Pro Cable Strip Tools

- Lightweight and compact for easy transportation and storage
- Integrated rollers ensure the strip tool rolls around the cable to create a clean, even cut
- NO screws, keys or other adjustment pieces to manage

### PSA59/6 Cable Strip Tool

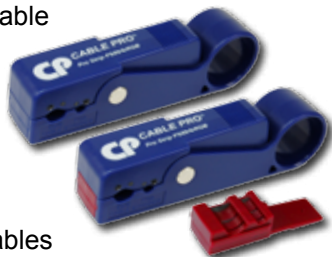
- Preps RG59, RG6 and RG58 cable
- Adjustable dial locates the perfect setting for cable preparation
- Patented cable stop creates a precise 1/4"-1/4" cable preparation each and every time
- Integrated side flaring tool for RG6 cable
- Includes an extra replacement blade cartridge



| Part#    | Description                            |
|----------|----------------------------------------|
| PSA59/6  | Preps RG59, RG6 and RG58 cable         |
| PSCA59/6 | Replacement Cartridge for PSA59/6 tool |

### PS59/6/RGB Cable Strip Tool

- Preps RG59, RG6 and RGB/ mini coax cable
- Patented cable stop creates a precise 1/4"-1/4" cable preparation every time
- Includes **TWO** extra blade cartridges!
  - (1) Cartridge (**PSC-RGB/ red**) specifically for RGB/ mini coax cables
  - (1) Cartridge for RG59 and RG6 cables



| Part#       | Description                                                             |
|-------------|-------------------------------------------------------------------------|
| PS59/6/RGB  | Preps RG59, RG6 and RGB/ mini coax cables                               |
| PSC59/6/RGB | Replacement cartridge for PS59/6/RGB tool                               |
| PSC-RGB     | Replacement cartridge for PS59/6/RGB tool to prep RGB/ mini coax cables |

## PS11 Cable Strip Tool

- Preps RG11 cable
- Heavy-duty spring provides resistance against every day wear and tear
- Patented cable stop creates a precise 1/4"-1/4" cable preparation every time
- Includes an extra replacement blade cartridge



| Part# | Description                                            |
|-------|--------------------------------------------------------|
| PS11  | Preps RG11 cables                                      |
| PSC11 | Replacement cartridge for PS11 tool to prep RG11 cable |

## Cable Pro Compression Tools

Belden uses the finest materials and metals available on the market to manufacture superior quality custom installation compression tools and connectors providing exceptional solutions for professional installers.

### RTC 360 Compression Tool

INDUSTRY USE: CATV • COMMERCIAL

The **RTC 360** continues to provide professional installers with an exceptional product and connection they can depend on.



- Compress with F-Conn's Basic Series Connectors
- Made in the USA
- 1-year warranty



## CPLCRTC-B *Compression Tool*

INDUSTRY USE: CATV • COMMERCIAL

- Smaller, economical version of the **RTC 360** tool
- Manufactured of 4100 series aircraft grade Chromoly alloy for maximum strength and durability
- Tool body is over molded with an ergonomic, hard plastic shell to ensure a comfortable grip and easy compression
- Fixed compression dies inside the head of the tool allow for an easy, consistent compression
- Compress with F-Conn's Basic Series of F and RCA
- Made in the USA
- 1-year warranty



## CPLCRBC-B *Double Bubble™ Compression Tool*

INDUSTRY USE: SECURITY • BROADCAST • CATV • COMMERCIAL

- A perfect solution for structured wiring, security cameras, satellite and other exposed wiring installations
- Manufactured of 4100 series aircraft grade Chromoly alloy
- Compress with F-Conn's DB™ Connector Series
  - Available in F, RCA and BNC
  - Creates a secure, permanent "double bubble" connection with the DB™ connector
- Self-adjusting plunger head provides a precise and constant compression each and every time
- Includes 1 interchangeable adapter tip for compression of F and RCA type connectors
- Made in the USA
- 1-year warranty



| Part#      | Description                                              |
|------------|----------------------------------------------------------|
| CPLCRBC-B  | Double Bubble™ Compression Tool - Blue                   |
| LMTIP-S    | Silver adapter tip for F-Conn's silver/nickel connectors |
| RBCTIP-UHF | Adapter tip for F-Conn's 50 Ohm connectors               |

## CPLCCT-SLM *Linear Compliant Compression Tool*

INDUSTRY USE: PRO A/V • SECURITY • CATV • COMMERCIAL

- Manufactured of solid steel for maximum strength and durability
- Crafted so that it is lightweight and easy to use
- Self-adjusting plunger head provides a precise and constant compression each and every time
- Includes four interchangeable adapter tips to compress a full line of connectors
- Compress with F-Conn's FS and RG Series Connectors
- Made in the USA
- 1-year warranty



| Part#        | Description                                                 |
|--------------|-------------------------------------------------------------|
| CPLCCT-SLM   | Linear Complaint Compression Tool                           |
| LMTIP-S      | Silver adapter tip for F-Conn's silver/nickel connectors    |
| LMTIP-G      | Gold adapter tip for F-Conn's gold connectors               |
| LMTIP-WP     | Wall Plate adapter tip for F-Conn's splice connectors       |
| LMTIP-RA     | Right Angle adapter tip for F-Conn's right angle connectors |
| LMTIP-HOLDER | Holder for adapter tips                                     |
| LMTIP-KIT    | Kit includes Holder + 5 tips - G, S, RA, WP, IEC            |

## CPLCCT-1-S *Compression Tool*

INDUSTRY USE: CATV

- For FS Series F-type and RCA compression connectors
- No adjustment for compression!
- Crafted so that it is lightweight and easy to use
- Self-adjusting plunger head provides a precise and constant compression each and every time
- Made in the USA
- 1-year warranty



## CPLCCT-SS59/11 *Compression Tool*

INDUSTRY USE: CATV

- Compress connectors for FS Series RG59, RG6, RG7 and RG11 cables with an easy flip of the die
- Compress the F-Conn RG11 right angle connector
- Compatible with other brands of compression connectors
- Made in the USA
- 1-year warranty



## CPLCCT-11BNC *Specialty Compression Tool*

INDUSTRY USE: CATV

- Compresses the **FS11BNC**, RG11 BNC-type connector
- No adjustments required!
- Self-adjusting plunger head provides a precise and constant compression
- Made in the USA
- 1-year warranty



## CPLCRBC-ITS *Specialty Compression Tool*

INDUSTRY USE: TOLL ROAD • SECURITY

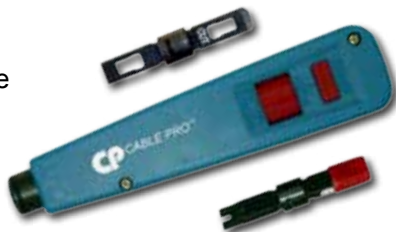
- Designed specifically for the Double Bubble™ ITS BNC male & female connector
- Designed for **Belden 8281 & 8281B** cable
- Use the **LMTIP-WP** adapter tip for the **DB59BNC SL2-F** (female) splice ITS connector
- Made in the USA
- 1-year warranty



## CPCAT5-PDT *Punch Down Tool*

INDUSTRY USE: TELEPHONE

- Punch Down tool is designed for the termination of telephone wire on 66 and 110 style of terminating blocks
- Includes a storage compartment to place spare bits
- Blades are made of hardened SNCM-21 element, are inter-changeable and reversible
- Includes 66 and 110 termination bits and are easily interchangeable
- Adjustable high/ low impact setting accommodates termination requirements



## CPRJ11-45 *Strip/Crimp Tool*

INDUSTRY USE: TELEPHONE • DATA

- Termination of RJ11 & RJ45
- Short stop creates 1/4" cable prep
- Long stop creates 1/2" cable prep
- Cut, Strip and Crimp, without changing tools or die sets
- Easy to use without compromising the quality of the connection
- Comfortable grip handles



## Compression Connector and Tool Kits

Belden is recognized worldwide for our innovative line of 360° compression connectors, tools and accessories that work together as a complete system.



### STARTERKIT

The Belden Starter Kit contains Cable Pro **CPLCCT-SLM** compression tool, **PS59/6/RGB** cable strip tool, and a variety of F-Conn compression connectors to create a high-quality, custom AV installation.

#### STARTERKIT INCLUDES:

- CPLCCT-SLM Compression Tool
- PS59/6/RGB Cable Strip Tool
  - PSC59/6/RGB (Blue Spare Cartridge)
  - PSC-RGB (Red Spare Cartridge)
- Wall Plate Inserts & Color Bands
- FS59U (10)
- FS59BNCU (5)
- FS6U (10)
- FS6BNCU (5)
- FS6RCAU (5)
- FS6URA (5)
- FSBNC6URA (5)
- FSRCA6URA (5)
- FS6US (5)
- FS6RCAUS (5)
- FS1RCA (5)
- FS1BNC (5)
- FS15RCA (5)
- FS15BNC (5)



### DBSTARTERKIT

The Belden DB Starter Kit contains a Cable Pro **CPLCRBC-B** compression tool, **PSA59/6** cable strip tool, and a variety of DB compression connectors to create a secure connection for structured wiring, security and satellite installations.

#### DBSTARTERKIT INCLUDES:

- CPLCRBC-B Compression Tool
- PSA59/6 Cable Strip Tool
- FIT-59 Flaring/ Insertion Tool
- DB59U (25)
- DB59BNCU (10)
- DB59RCAU (10)
- DB59BNC SL (10)
- DB6U (25)
- DB6BNCU (10)

## Cable Pro Tech Express Tool Kits

Belden continues to expand our product line to ensure professional installers have the tools they need to create a permanent, quality installation.

### **SLMPSAKIT** Tech Express Tool Kit

- **CPLCCT-SLM** Compression Tool and adapter tips
- **PSA59/6** Cable Strip Tool and extra blade cartridge
- These tools work together as a complete integrated system with F-Conn's FS and RG series of compression connectors



### **DBPSAKIT** Tech Express Tool Kit

- **CPLCRBC-B** Compression Tool and adapter tips
- **PSA59/6** Cable Strip Tool and extra blade cartridge
- These tools work together as a complete integrated system with F-Conn's DB series of compression connectors



## NEW Belden HDMI Cables

Belden strives to provide our customers with the most innovative products. The home theater market is constantly evolving with new advancements in technology. Choosing the right HDMI cable is important when creating the ultimate home theater experience.



- Belden High-Speed HDMI Cables with Ethernet are HDMI version 1.4a
- High-Speed HDMI Cables are UL/ CUL CMG/ FT4 listed
- High-Speed HDMI Cables achieve speeds of 340 MHz or up to 10.2 Gbps for superior performance
- Supports standard and high speed applications to create bold, bright colors, crystal-clear picture and intense, high-resolution sound
- Supports 3D gaming and other 3D video applications
- Transmits digital content at extremely high resolution (4K)
- Physical properties include nickel plated contacts and flexible black PVC outer jacket
- Automatic format adjustment and backward compatibility for seamless integration with most electronic devices

### High-Speed HDMI® Cables with Ethernet and 3D Capabilities\*\*

| Part#   | Description                                                    |
|---------|----------------------------------------------------------------|
| BJH2E3  | 3Ft. High-Speed HDMI Cables with Ethernet and 3D Capabilities  |
| BJH2E6  | 6Ft. High-Speed HDMI Cables with Ethernet and 3D Capabilities  |
| BJH2E10 | 10Ft. High-Speed HDMI Cables with Ethernet and 3D Capabilities |
| BJH2E12 | 12Ft. High-Speed HDMI Cables with Ethernet and 3D Capabilities |

### Basic through Pro Series HDMI Cables

| Part#        | Description                                                                                     |
|--------------|-------------------------------------------------------------------------------------------------|
| H-H*M        | Basic Series HDMI to HDMI Cable - * Meter                                                       |
| HDMI-HOME-*M | HDMI M to M Home Series - * Meter, V1.3B Certified w/ 15 Micron Gold Plating, CL3 Rated, 28 AWG |
| HDMI-PRO-*M  | HDMI M to M PRO Series - * Meter, V1.3B Certified w/ 15 Micron Gold Plating, CL3 Rated, 26 AWG  |
| H-HB10M      | HDMI M to M Home Series 10 Meter, V1.3B Certified                                               |
| H-HB15M      | HDMI M to M Home Series 15 Meter, V1.3B Certified                                               |

\*M = Available in 1M, 2M, 4M, 6M lengths

\*\* Limited quantities are available. Call to confirm stock prior to ordering.



## Cable Pro Cable Caddies

Belden Cable Pro Cable Caddies are engineered using high quality, light-weight steel tubing and incorporates a unique folding mechanism. This allows professional installers to easily fold and transport the caddy to each cable installation location. Wheeled versions of the cable caddy are available to make moving from each location a breeze.

### ***CC2016B & CC2016BW Cable Caddie:***

- Holds one 20" x 16" reel
- Compact unit
- Made of sturdy 3/4" tubing
- CC2016B does not include wheels
- CC2016BW features 6" wheels
- Holds up to 100 lbs.
- Made in the USA



CC2016BW

### ***CC2024 Cable Caddie:***

- Holds one 20" x 24" reel
- Made of Sturdy 1" tubing
- Features 6" wheels for easy movement
- Holds up to 100 lbs.
- Made in the USA



### ***CC2036D Cable Caddie:***

- Holds a variety of reel combinations
- Adjustable bar heights
- Two simplified ways to load reels
- Made of Sturdy 1" tubing
- Holds up to 100 lbs. per reel
- Made in the USA

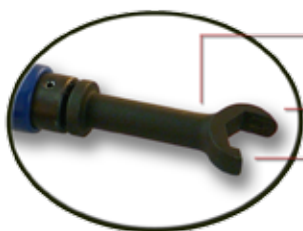


# Torque Wrenches

## TROE716SH Speed Head Torque Wrench

INDUSTRY USE: CATV • SATELLITE

- "Speed" head for quick tightening without having to remove the wrench from the connector
- Use to tighten 7/16" F-type fittings
- Torque inch/pounds preset at factory (10-60 in./lbs.)
- Medium carbon steel (heat treated) with black oxide finish
- Blue cushioned grip
- Made in the USA



Black oxide finish provides superior protection

Angled head for easy access

"Speed" head for quick tightening without removing the wrench from connector

## TROE716 / TROE916 True Torque Open End Torque Wrench

INDUSTRY USE: CATV • SATELLITE

- Available in 7/16" or 9/16" configuration for F-fittings
- Manufactured using chromemoly, a high-quality metal to provide installers with a durable, quality tool
- Ergonomically designed to have a True Torque Grip giving you total control and precision when used
- Torque inch/pounds are preset at the factory based on your specifications from 10-60 in./lbs
- Made in the USA



## TROE716E Easy Open End Torque Wrench

INDUSTRY USE: CATV • SATELLITE

- Available in 7/16" configuration for F-fittings
- Coated with black oxide to offer the ultimate protection against daily wear and tear
- A soft, blue, rubber grip provides a smooth gripping surface
- Torque inch/pounds are preset at the factory based on your specifications from 10-60 in./lbs
- Made in the USA



## Cable Pro Installation Tools

Belden manufactures a full line of high-quality Cable Pro installation tools for the professional installer. **Made in the USA.**

### Trap Wrench

- Made of lightweight 6061 aluminum
- 2 steel pins, press fitted into the aluminum tube, to remove traps
- Anodized for superior protection and easy identification
- Fits 7/16" hex F-fittings
- Knurled hand grips assure controlled handling
- Made in the USA



| Part#  | Description                                                     |
|--------|-----------------------------------------------------------------|
| TW716  | Trap Wrench - Red                                               |
| TWS716 | Super Trap Wrench - Black<br>Hex Head is made of hardened steel |

|           |                                                                                                                                                                      |
|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TW716     | Trap Wrench - Red                                                                                                                                                    |
| TWS716    | Super Trap Wrench - Black<br>Hex Head is made of hardened steel                                                                                                      |
| TWC716    | Combo Trap Wrench - Blue<br>For Metal Security Sleeves<br>Combines standard trap wrench design with a security sleeve<br>Security socket is made of hardened steel   |
| TWC716-EX | Combo Trap Wrench - Blue<br>For Plastic Security Sleeves<br>Combines standard trap wrench design with a security sleeve<br>Security socket is made of hardened steel |

## Can Wrench

- Used to open pedestals and tighten ground straps and taps
- Made in the USA



| Part# | Description               |
|-------|---------------------------|
| CNW6  | Can Wrench (3/8" & 7/16") |
| CNW8  | Can Wrench (1/2" & 9/16") |

## Swivel 7/16" Torque Wrench

- Use to torque 7/16" F-type fittings
- Designed to work with multi-part taps
- All torque wrenches are preset in the factory to desired torque in .lbs.
- Made in the USA



| Part#         | Description                                 |
|---------------|---------------------------------------------|
| TRS716-*      | 7/16" Torque Wrench                         |
| TRS716SS-EX-* | 7/16" Torque Wrench removes plastic sleeves |
| TRS716SS-*    | 7/16" Torque Wrench removes metal sleeves   |

## Fixed/Swivel 3/8" Socket Drive Torque Wrench

- Ability to use different size sockets
- All torque wrenches are preset in factory to desired torque in./lbs.
- Made in the USA



| Part#     | Description                            |
|-----------|----------------------------------------|
| TRFE3/8-* | Fixed 3/8" Socket Drive Torque Wrench  |
| TRS3/8    | Swivel 3/8" Socket Drive Torque Wrench |

## Headend Extended Socket Wrench

- Use in headend or behind rack for installation and removal of 7/16" F-type or BNC fittings
- Socket extends 8" from handle with (1) 1/4" socket
- Made in the USA



| Part#  | Description                           |
|--------|---------------------------------------|
| HT-716 | Headend Extended F Connector Socket   |
| HT-BNC | Headend Extended BNC Connector Socket |

## Security Wrench

- Made of chrome 4130 steel
- All include steel spring handle and tightens to 40 in./lbs.
- Made in the USA



| Part#     | Description                                                                                                                                                 |
|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SWU716    | Universal Security Wrench for metal sleeves                                                                                                                 |
| SWU716-EX | Thick Wall Security Sleeve for plastic sleeves                                                                                                              |
| DSW716    | Dual Security Wrench combines 7/16" and 1/2" socket<br>7/16" socket fits standard F-type fittings<br>1/2" socket fits LRC seal nut and Gilbert TAC fittings |
| SW-SACHS  | Sach Security Wrench                                                                                                                                        |
| MSW716    | Mini Security Wrench                                                                                                                                        |

## Gilbert Terminating Tool

- Use with theft proof Gilbert GTP Locking Terminators
- Features solid steel spring ears
- Available in two lengths: 4" and 7"
- Made in the USA



| Part# | Description                 |
|-------|-----------------------------|
| GTT-4 | 4" Gilbert Terminating Tool |
| GTT-7 | 7" Gilbert Terminating Tool |

## Telephone Tool

- Tool has a 5/32" hex end to open telephone pedestals and boxes
- Made in the USA



| Part#  | Description    |
|--------|----------------|
| 532HEX | Telephone Tool |

## Viewsonics Terminating Tool

- Use with Viewsonics Locking Terminators
- Available in two lengths: 4" and 7"
- Tools are made of zinc plated steel
- Made in the USA



| Part# | Description                    |
|-------|--------------------------------|
| VTT-4 | 4" Viewsonics Terminating Tool |
| VTT-7 | 7" Viewsonics Terminating Tool |

## Siamese Stripper

- Siamese strippers separate RG59 and RG6 wisted pair cable, coaxial siamese cable and messenger coaxial cable
- Made in the USA



| Part# | Description                          |
|-------|--------------------------------------|
| SS596 | RG59 and RG6 Siamese Cable Separator |

## Installation Tool

- Tools speed the installation and the removal of drop cable
- Available in 7/16" and 9/16" sizes
- Made from 6061 aluminum and features knurled surfaces, a cable slot, and a hard anodized finish
- Made in the USA



| Part# | Description             |
|-------|-------------------------|
| IT716 | 7/16" Installation Tool |
| IT916 | 9/16" Installation Tool |

## Pen Toner Continuity Testers

- Female or right angle male push-on connector
- Loud audio tone identifies the line carrying signal
- Battery included



| Part#  | Description |
|--------|-------------|
| CPPT-1 | Pen Toner   |



## Toner Boxes Continuity Testers

- Toner boxes feature loud audio signal
- LED display detects splitters and shorts in drops
- Two 9-volt batteries (18 volts) allow for testing longer drops



| Part# | Description                          |
|-------|--------------------------------------|
| TS-18 | Toner Set (Buzz Box and Battery Box) |

## Flaring and Insertion Tool

- Flaring expands jacket to ease the insertion of connectors on to Plenum, Quad and standard size cables in cold weather - Specify size and part#
- Insertion simplifies pushing the connector on to the cable
- Made in the USA



| Part#   | Description                                              |
|---------|----------------------------------------------------------|
| FIT-6   | Flaring/ Insertion Tool for RG6 Cable                    |
| FIT-59  | Flaring/ Insertion Tool for RG59 Cable                   |
| FIT-11  | Flaring/ Insertion Tool for RG11 Cable                   |
| FIT-SL2 | Flaring/ Insertion Tool for <b>DB59BNSL-2 Connectors</b> |

## HIP Video Splitters

INDUSTRY USE: CATV • SECURITY • A/V  
 SATELLITE

- 1 GHz and 3 GHz product offerings
- Horizontal and Vertical configurations
  - 2, 3, & 4 port horizontal
  - 2, 3, 4, 6, & 8 port vertical
- >-120 dB RFI Shielding
- Die-cast housing with built-in mounting tabs and integrated grounding lug
- High port to port isolation
- Excellent insertion loss performance



### 1 GHz Product

- 5 MHz - 1,000 MHz
- Digital or Analog RF Signal Transmission
- CATV, Antenna, A/V or Security Applications

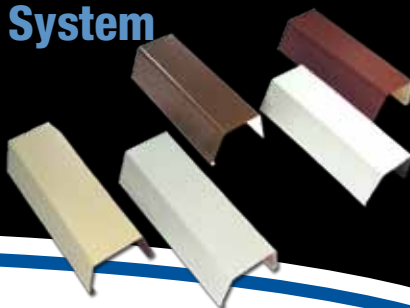
### 3 GHz Product - Satellite

- 5 MHz - 3,000 MHz
- Digital Satellite RF Signal Transmission
- PC Power Passing on 1 port

| Passives | HV Horizontal Series 1GHz | HV Series Vertical 1GHz | Satellite Horizontal Series 3 GHz | Satellite Vertical Series 3 GHz |
|----------|---------------------------|-------------------------|-----------------------------------|---------------------------------|
| 2 Way    | HIP 2H                    | HIP 2V                  | HIP-S2 H                          | HIP-S2 V                        |
| 3 Way    | HIP 3H                    | HIP 3V                  | HIP-S3 H                          | HIP-S3 V                        |
| 4 Way    | HIP 4H                    | HIP 4V                  | HIP-S4 H                          | HIP-S4 V                        |
| 6 Way    |                           | HIP 6V                  |                                   | HIP-S6 V                        |
| 8 Way    |                           | HIP 8V                  |                                   | HIP-S8 V                        |

# CableReady Molding System

CABLEREADY® offers a series of protective molding developed to meet the needs of the cabling industry.



CABLEREADY is an industry leader in developing innovative solutions to the challenges that installers must face when working with cable molding. CABLEREADY molding is available in straight run, transitions, right angles, tee fittings, and much more to ensure a professional solution to any installation.

Our molding is made of 26 gauge Galvalume steel. Galvalume lasts longer and is more durable than G90 hot dipped galvanized steel or plastic molding systems. All CABLEREADY molding products can be used for indoor and outdoor applications.

In the past, system operators, installers and apartment owners have settled for plastic moldings that were difficult to install, re-enter and re-install with an effective product life of only two to three years. Users have had to put up with plastic moldings that would crack, shift, discolor, warp and literally fall off the walls of buildings.

All CABLEREADY products are guaranteed against cracking, peeling, or fading, due to ultraviolet rays or harsh weather conditions for 15 years. **Made in the USA.**



ATTACH CLIP



ATTACH CABLES



SNAP ON MOULDING



CABLEREADY's unique molding holds patent numbers: 5,523,529 and 5,732,747 and 6,437,247

## F-Conn Compression Connector Sizing Chart (Inches)

\*Actual cable sizes may

| Type                                                                                          | Description                                    | Size                                             | Basic Series                    | Double Bubble                             |
|-----------------------------------------------------------------------------------------------|------------------------------------------------|--------------------------------------------------|---------------------------------|-------------------------------------------|
| <b>RG1</b><br>(24-26AWG*)<br><b>ORANGE</b>                                                    | Center Conductor<br>Dielectric<br>Outer Jacket | MIN-MAX<br>.015-.025<br>.065-.078<br>.095-.110   |                                 | DB1RCA                                    |
| <b>RG15</b><br>(22-24AWG*)<br><b>PURPLE</b>                                                   | Center Conductor<br>Dielectric<br>Outer Jacket | MIN-MAX<br>.015-.025<br>.095-.105<br>.145-.160   |                                 | DB15RCA                                   |
| *This AWG is a reference point only please make sure you spec the cable to ensure proper fit. |                                                |                                                  |                                 |                                           |
| <b>RG59</b><br><b>PLENUM</b><br><b>RED</b>                                                    | Center Conductor<br>Dielectric<br>Outer Jacket | MIN-MAX<br>.0317-.0339<br>.147-.157<br>.190-.220 |                                 |                                           |
| <b>RG59</b><br><b>PLENUM 2</b><br><b>RED</b>                                                  | Center Conductor<br>Dielectric<br>Outer Jacket | MIN-MAX<br>.0317-.0339<br>.130-.137<br>.190-.220 |                                 | DB59PL2/4<br>DB59BNCPL2/4<br>DB59RCAPL2/4 |
| <b>RG59</b><br><b>PLENUM 3</b><br><b>RED</b>                                                  | Center Conductor<br>Dielectric<br>Outer Jacket | MIN-MAX<br>.0210-.0240<br>.130-.137<br>.190-.220 |                                 | DB59PL2/4<br>DB59BNCPL3<br>DB59RCAPL3     |
| <b>RG59</b><br><b>PLENUM 4</b><br><b>RED</b>                                                  | Center Conductor<br>Dielectric<br>Outer Jacket | MIN-MAX<br>.0317-.0339<br>.134-.141<br>.190-.220 |                                 | DB59PL2/4<br>DB59BNCPL2/4<br>DB59RCAPL2/4 |
| <b>RG59</b><br><b>SECURITY</b><br><b>RED</b>                                                  | Center Conductor<br>Dielectric<br>Outer Jacket | MIN-MAX<br>.0317-.0339<br>.137-.148<br>.232-.248 |                                 | DB59BNCPL<br>DB59RCASL                    |
| <b>RG59</b><br><b>STANDARD</b><br><b>RED</b>                                                  | Center Conductor<br>Dielectric<br>Outer Jacket | MIN-MAX<br>.0317-.0339<br>.144-.157<br>.232-.252 | RG59WR<br>RG59WRO<br>RG59-RCARW |                                           |
| <b>RG59</b><br><b>QUAD</b><br><b>RED</b>                                                      | Center Conductor<br>Dielectric<br>Outer Jacket | MIN-MAX<br>.0317-.0339<br>.144-.157<br>.257-.273 | RG59NR                          |                                           |
| <b>RG59</b><br><b>UNIVERSAL</b><br><b>RED</b>                                                 | Center Conductor<br>Dielectric<br>Outer Jacket | MIN-MAX<br>.0317-.0339<br>.144-.157<br>.232-.273 |                                 | DB59U<br>DB59BNCU<br>DB59RCU              |

Connector/ Cable Cross Reference Chart available at [www.icmcorp.net](http://www.icmcorp.net)

vary from manufacturer specifications and testing may be required to verify correct connector fit.

|  | Commercial Series                                                                              | Gold Series                                             | Commercial Splice/Insert         | Gold Splice/Insert               |
|--|------------------------------------------------------------------------------------------------|---------------------------------------------------------|----------------------------------|----------------------------------|
|  | FSRCA1RGB<br>FSBNC1RGB<br>FS1RCA<br>FS1BNC                                                     | RGRCA1RGB<br>RGBNC1RGB<br>RG1RCA<br>RG1BNC              | FS1RCASST<br>FS1BNCSSST          | RG1RCASST<br>RG1BNCSSST          |
|  | FSRCA15RGB<br>FSBNC15RGB<br>FS15RCA<br>FS15BNC                                                 | RGRCA15RGB<br>RGBNC15RGB<br>RG15RCA<br>RG15BNC          | FS15RCASST<br>FS15BNCSSST        | RG15RCASST<br>RG15BNCSSST        |
|  | FS59PL<br>FS59BNCPL<br>FS59RCAPL                                                               |                                                         |                                  |                                  |
|  | FS59PL2<br>FS59BNCPL2<br>FS59RCAPL2                                                            |                                                         |                                  |                                  |
|  | FS59PL2<br>FS59BNCPL3<br>FS59RCAPL3                                                            |                                                         |                                  |                                  |
|  | FS59PL4<br>FS59BNCPL4<br>FS59RCAPL4                                                            |                                                         |                                  |                                  |
|  | FS59BNC SL                                                                                     |                                                         |                                  |                                  |
|  |                                                                                                |                                                         |                                  |                                  |
|  |                                                                                                |                                                         |                                  |                                  |
|  | FS59U<br>FS59BNCU<br>FS59RCAU<br>FS59URA<br>FSBNC59URA<br>FSRCA59URA<br>FS59IECUM<br>FS59IECUF | RG59U<br>RG59BNCU<br>RG59RCAU<br>RG59IECUM<br>RG59IECUF | FS59US<br>FS59BNCUS<br>FS59RCAUS | RG59US<br>RG59BNCUS<br>RG59RCAUS |

**F-Conn Compression Connector Sizing Chart (Inches)**

\*Actual cable size

| Type                                       | Description                                    | Size                                             | Basic Series                | Double Bubble                    |
|--------------------------------------------|------------------------------------------------|--------------------------------------------------|-----------------------------|----------------------------------|
| <b>RG59/ MINI<br/>CENTER<br/>CONDUCTOR</b> | Center Conductor<br>Dielectric<br>Outer Jacket | MIN-MAX<br>.021-.024<br>.144-.157<br>.232-.273   |                             | DB59BNCBU                        |
| <b>RG59<br/>ITS<br/>CONNECTOR</b>          | Center Conductor<br>Dielectric<br>Outer Jacket | MIN-MAX<br>.024-.034<br>.190-.200<br>.295-.305   |                             | DB59SL2-M<br>DB59SL2-F           |
| <b>RG6<br/>PLENUM<br/>GREEN</b>            | Center Conductor<br>Dielectric<br>Outer Jacket | MIN-MAX<br>.0399-.0418<br>.183-.193<br>.220-.250 |                             |                                  |
| <b>RG6<br/>PLENUM 2<br/>GREEN</b>          | Center Conductor<br>Dielectric<br>Outer Jacket | MIN-MAX<br>.0399-.0418<br>.165-.172<br>.220-.250 |                             | DB6PL2<br>DB6BNCPL2<br>DB6RCAPL2 |
| <b>RG6<br/>STANDARD<br/>GREEN</b>          | Center Conductor<br>Dielectric<br>Outer Jacket | MIN-MAX<br>.0399-.0418<br>.180-.193<br>.265-.286 | RG6WR<br>RG6WRO<br>RG6-CAWR |                                  |
| <b>RG6<br/>QUAD<br/>GREEN</b>              | Center Conductor<br>Dielectric<br>Outer Jacket | MIN-MAX<br>.0399-.0418<br>.180-.193<br>.289-.305 | RG6NR<br>RG6NRO             |                                  |
| <b>RG6<br/>UNIVERSAL<br/>GREEN</b>         | Center Conductor<br>Dielectric<br>Outer Jacket | MIN-MAX<br>.0399-.0418<br>.180-.193<br>.265-.305 |                             | DB6U<br>DB6BNCU<br>DB6RCAU       |
| <b>RG11<br/>UNIVERSAL<br/>BLACK</b>        | Center Conductor<br>Dielectric<br>Outer Jacket | MIN-MAX<br>.0634-.0647<br>.280-.294<br>.390-.417 | F11WR                       |                                  |
| <b>RG11<br/>PLENUM<br/>GRAY</b>            | Center Conductor<br>Dielectric<br>Outer Jacket | MIN-MAX<br>.0634-.0647<br>.280-.294<br>.339-.355 |                             |                                  |
| <b>DS3<br/>CONNECTOR</b>                   | Center Conductor<br>Dielectric<br>Outer Jacket | MIN-MAX<br>.014-.020<br>.070-.085<br>.120-.140   |                             | DBDS3BNC                         |
| <b>DS4<br/>CONNECTOR</b>                   | Center Conductor<br>Dielectric<br>Outer Jacket | MIN-MAX<br>.317-.0339<br>.145-.155<br>.220-.240  |                             | DBDS4BNC                         |

sizes may vary from manufacturer specifications and testing may be required to verify correct connector fit.

|  | Commercial Series                                                                      | Gold Series                                        | Commercial Splice/Insert      | Gold Splice/Insert            |
|--|----------------------------------------------------------------------------------------|----------------------------------------------------|-------------------------------|-------------------------------|
|  |                                                                                        |                                                    |                               |                               |
|  |                                                                                        |                                                    |                               |                               |
|  | FS6PL<br>FS6BNCPL<br>FS6RCAPL                                                          |                                                    |                               |                               |
|  | FS6PL2<br>FS6BNCPL2<br>DB6RCAPL2                                                       |                                                    |                               |                               |
|  |                                                                                        |                                                    |                               |                               |
|  |                                                                                        |                                                    |                               |                               |
|  | FS6U<br>FS6BNCU<br>FS6RCAU<br>FS6URA<br>FSBNC6URA<br>FSRCA6URA<br>FS6IECUM<br>FS6IECUF | FS6U<br>FS6BNCU<br>FS6RCAU<br>FS6IECUM<br>FS6IECUF | FS6US<br>FS6BNCUS<br>FS6RCAUS | RG6US<br>RG6BNCUS<br>RG6RCAUS |
|  | FS11V<br>FS11BNC                                                                       |                                                    |                               |                               |
|  | FS11PL                                                                                 |                                                    |                               |                               |
|  |                                                                                        |                                                    |                               |                               |
|  |                                                                                        |                                                    |                               |                               |



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