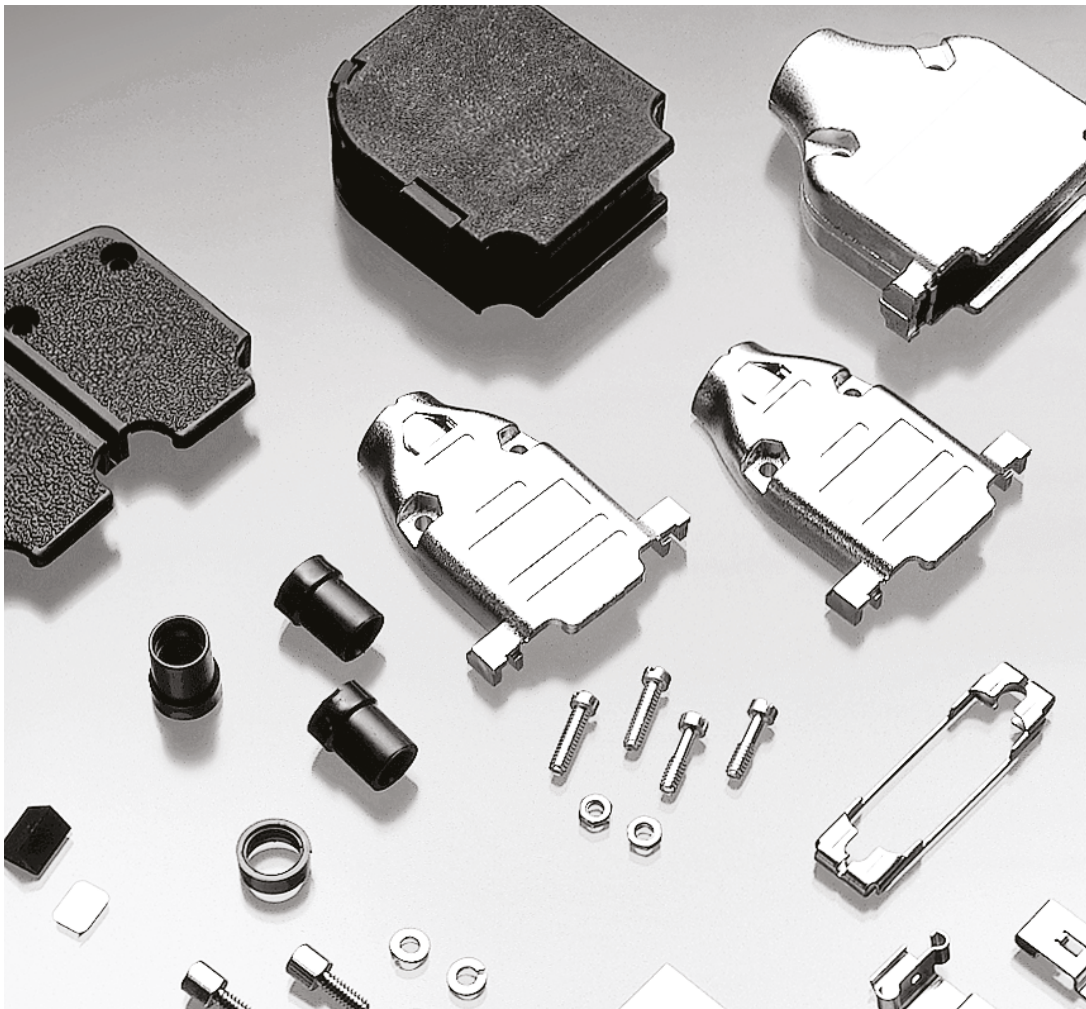


## Quick Reference Guide

# AMPLIMITE CABLE CONNECTOR ACCESSORIES

## Cable Clamps, Contacts and Miscellaneous Hardware

We offer one of the broadest, most versatile portfolios of D-subminiature connectors in the market with unrivaled engineering support to address our customer's needs. Our reliable AMPLIMITE cable connectors are available in a variety of plating types to satisfy different applications. These connectors are intermateable with any size 20 or 22 D-subminiature connector dimensionally complying with MIL-C-24308.

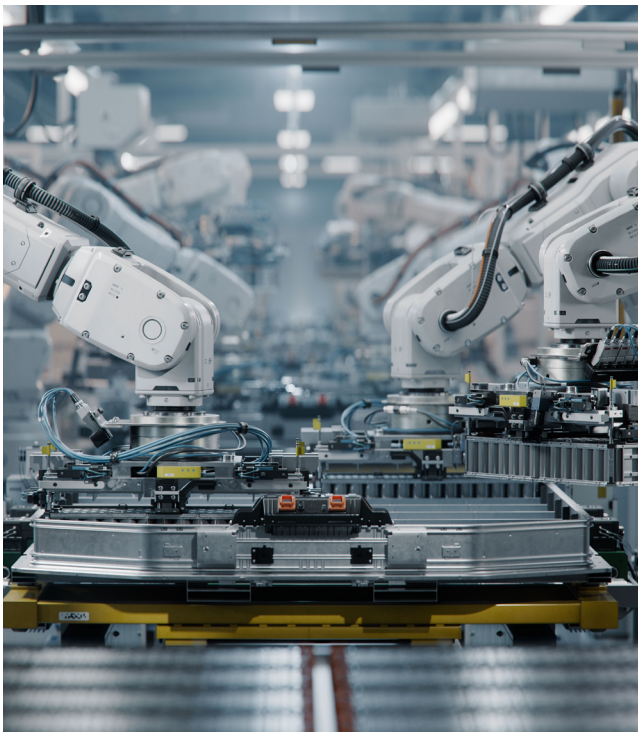
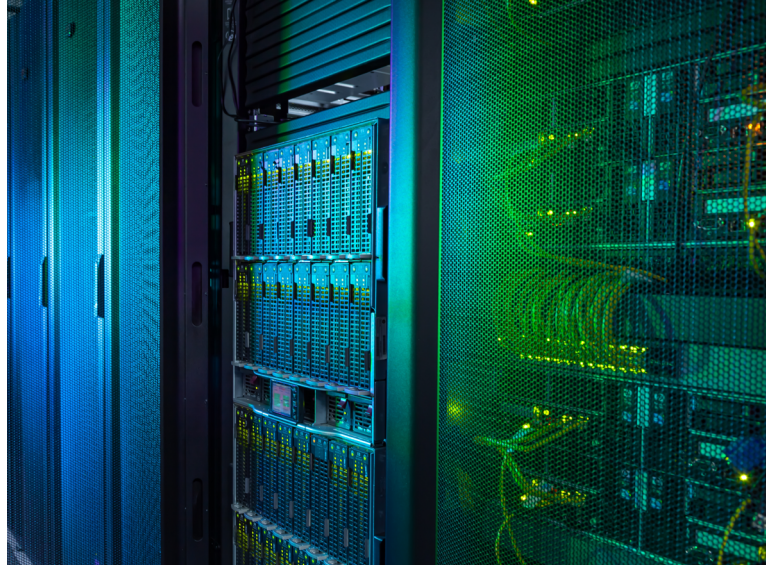


## FEATURES & BENEFITS

- Low cost, high performance precision formed contacts
- Crimp snap-in contacts allow loading of only the number of contacts being used
- Numerous cable clamps and mating hardware options

## APPLICATIONS

- Industrial machinery
- Medical instrumentation
- Computers and peripherals
- RAID storage arrays
- File servers/routers
- Tape storage systems
- Work stations
- On-machine industrial communications
- Personal and handheld devices



### How to Select an AMPLIMITE Connector Part Number

The charts on the following pages highlight the AMPLIMITE part numbers with the key product attributes to help identify the correct part for your application. Each section also includes a list of materials to characterize the composition of each part.



# HDP-20 CONNECTOR CONTACTS, PRECISION FORMED

Crimp Snap-In Contacts

With Insulation Support

| Wire Size Range: AWG | Insulation Diameter Max. | Contact Finish (Plating Code) | Pin                       |                           | Socket                      |                           | Hand Tools for Loose Form Contacts |                                       |                                      |
|----------------------|--------------------------|-------------------------------|---------------------------|---------------------------|-----------------------------|---------------------------|------------------------------------|---------------------------------------|--------------------------------------|
|                      |                          |                               | Strip Form                | Loose Form                | Strip Form                  | Loose Form                | Pro-Crimper II Hand Tool           | Certi-Crimp II Hand Tool (Color Code) | Applicators* for Strip Form Contacts |
| 28-24                | .040                     | A                             | <a href="#">66507-3</a>   | <a href="#">66507-9</a>   | <a href="#">66505-3</a>     | <a href="#">66505-9</a>   | <a href="#">2361497-1</a>          | -                                     | <a href="#">466901-1***</a>          |
|                      |                          | B                             | <a href="#">1658540-4</a> | <a href="#">1658540-5</a> | <a href="#">1658538-2</a>   | -                         |                                    |                                       |                                      |
|                      |                          | C                             | <a href="#">66507-4</a>   | <a href="#">1658540</a>   | <a href="#">66505-4</a>     | -                         |                                    |                                       |                                      |
|                      |                          | D                             | <a href="#">1658540-1</a> | <a href="#">1658540-2</a> | <a href="#">1658538-3</a>   | <a href="#">1658538-1</a> |                                    |                                       |                                      |
|                      | .060                     | A                             | <a href="#">66682-2</a>   | <a href="#">66682-4</a>   | <a href="#">66683-2</a>     | <a href="#">66683-4</a>   | -                                  | <a href="#">91549-1 Black Dot</a>     | -                                    |
|                      |                          | B                             | <a href="#">5066682-9</a> | -                         | <a href="#">1-5066683-0</a> | -                         |                                    |                                       |                                      |
|                      |                          | D                             | <a href="#">5066682-6</a> | -                         | <a href="#">5066683-7</a>   | -                         |                                    |                                       |                                      |
| 26-22                | .040                     | A                             | <a href="#">745254-2</a>  | <a href="#">745254-6</a>  | <a href="#">745253-2</a>    | <a href="#">745253-6</a>  | -                                  | <a href="#">91525-1 Yellow Dot</a>    | -                                    |
|                      |                          | B                             | <a href="#">1658544-2</a> | <a href="#">1658544-1</a> | <a href="#">1658543-2</a>   | <a href="#">1658543-1</a> |                                    |                                       |                                      |
|                      |                          | C                             | <a href="#">745254-3</a>  | <a href="#">745254-7</a>  | <a href="#">745253-3</a>    | <a href="#">745253-7</a>  |                                    |                                       |                                      |
|                      |                          | D                             | <a href="#">1658544-3</a> | -                         | <a href="#">1658543-3</a>   | -                         |                                    |                                       |                                      |
| 24-20                | .060                     | A                             | <a href="#">66506-3</a>   | <a href="#">66506-9</a>   | <a href="#">66504-3</a>     | <a href="#">66504-9</a>   | <a href="#">2361497-1</a>          | -                                     | -                                    |
|                      |                          | B                             | <a href="#">1658539-1</a> | <a href="#">1658539-3</a> | <a href="#">1658537-3</a>   | <a href="#">1658537-4</a> |                                    |                                       |                                      |
|                      |                          | C                             | <a href="#">66506-4</a>   | -                         | <a href="#">66504-4</a>     | <a href="#">1-66504-0</a> |                                    |                                       |                                      |
|                      |                          | D                             | <a href="#">1658539-2</a> | <a href="#">1658539-4</a> | <a href="#">1658537-1</a>   | <a href="#">1658537-2</a> |                                    |                                       |                                      |

Without Insulation Support

| Wire Size Range: AWG | Insulation Diameter Max. | Contact Finish (Plating Code) | Pin                       | Socket                    | Hand Tools for Loose Form Contacts    |
|----------------------|--------------------------|-------------------------------|---------------------------|---------------------------|---------------------------------------|
|                      |                          |                               | Strip Form                | Strip Form                | Certi-Crimp II Hand Tool (Color Code) |
| 28-24                | .068                     | A                             | <a href="#">205310-2</a>  | <a href="#">205311-3</a>  | <a href="#">91548-1 (blue dot)</a>    |
| 24-20                | .068                     | A                             | <a href="#">205202-2</a>  | <a href="#">205201-3</a>  | <a href="#">91548-1 (red dot)</a>     |
|                      |                          | C                             | <a href="#">205202-6</a>  | <a href="#">205201-6</a>  |                                       |
| 22-18                | .068                     | A                             | <a href="#">745229-2</a>  | <a href="#">745230-2</a>  | <a href="#">91513-1 (green dot)</a>   |
|                      |                          | B                             | <a href="#">1658541-1</a> | <a href="#">1658542-2</a> |                                       |
|                      |                          | C                             | <a href="#">745229-5</a>  | <a href="#">745230-5</a>  |                                       |
|                      |                          | D                             | -                         | <a href="#">1658542-1</a> |                                       |

## Material and Finish

**Pin:** Brass

**Socket:** Phosphor bronze

**Plated:**

**A:** select: gold flash over nickel on entire contact, with additional .000030 gold on mating end

**B:** duplex: .000030 gold on mating end, tin on termination end, with entire contact nickel underplated

**C:** gold flash over nickel on entire contact

**D:** duplex: gold flash on mating end, tin on termination end, with entire contact nickel underplated

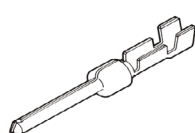
\*For Part Nos. of Special Applicators and Applicators for other model machines, call the TE Connectivity Tooling Assistance Center at 1-800-722-1111

\*\*\*For use with AMP-O-MATIC Model II Stripper-Crimper Machine

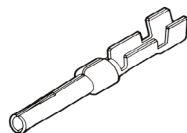
Notes:

1. Wire Insulation diameter is limited by the connector housing cavity and clearance for the insertion/extraction tool.
2. All part numbers are RoHS compliant.

*With Insulation Support*

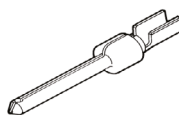


Pin 1

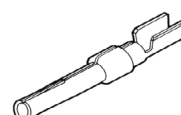


Socket 1

*Without Insulation Support*



Pin 2



Socket 2

# HDP-20 CONNECTOR CONTACTS, PRECISION FORMED

## Square Posted Contacts

| Contact Finish<br>(Plating Code) | .125 Post Length*          | .188 Post Length*          | .427 Post Length*          |                            | .651 Post Length*          |                            |
|----------------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
|                                  | Socket                     | Pin                        | Pin                        | Socket                     | Pin                        | Socket                     |
| A                                | <a href="#">5-745288-5</a> | <a href="#">5-745287-4</a> | <a href="#">4-745287-7</a> | <a href="#">5-745288-8</a> | <a href="#">5-745287-0</a> | <a href="#">6-745288-1</a> |
| B                                | -                          | -                          | -                          | <a href="#">7-745288-2</a> | -                          | <a href="#">7-745288-2</a> |

\*Length of post extending from rear of HDP-20 metal-shell connector

| 18 AWG Max. Wire (.46 Max. Conductor Diameter) |                         |                           |                         |
|------------------------------------------------|-------------------------|---------------------------|-------------------------|
| Strip Form Contact Number                      |                         | Loose Form Contact Number |                         |
| Pin                                            | Socket                  | Pin                       | Socket                  |
| <a href="#">66570-2</a>                        | <a href="#">66569-2</a> | <a href="#">66570-3</a>   | <a href="#">66569-3</a> |

## Material and Finish

**Pin:** Brass

**Socket:** Phosphor bronze

**Plated:**

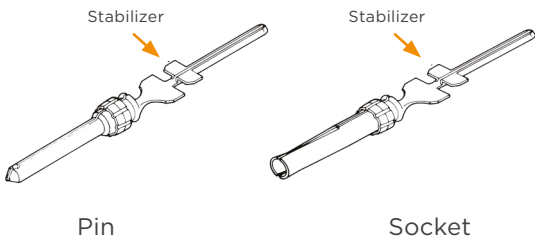
**A:** duplex plated .000030 gold on mating end, with entire contact .000050 min nickel underplated

**B:** duplex plated gold flash on mating end, with entire contact .000050 min. nickel underplated

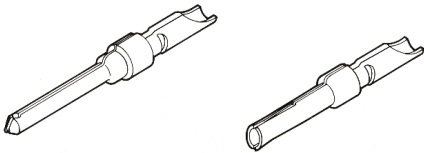
Notes:

- 1. All part numbers are RoHS compliant.

Square Posted Contacts



Solder Cup Contacts, Snap-In





# HDP-22 CRIMP SNAP-IN CONTACT CONNECTORS

Precision Formed Crimp Snap-In Contacts, Size 22 DF

| Wire Size<br>AWG | Contact Finish<br>(Plating Code) | Pin                       |                           | Socket                    |                           | Hand Tools for Loose Form Contacts:<br>PRO-CRIMPER II HAND TOOL |                         |
|------------------|----------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|-----------------------------------------------------------------|-------------------------|
|                  |                                  | Strip Form                | Loose Form                | Strip Form                | Loose Form                |                                                                 |                         |
| 28-22            | A                                | <a href="#">1658670-1</a> | <a href="#">1658670-2</a> | <a href="#">1658686-1</a> | <a href="#">1658686-2</a> | <a href="#">90800-1</a>                                         | <a href="#">91520-1</a> |
|                  | B                                | <a href="#">1658670-3</a> | <a href="#">1658670-4</a> | <a href="#">1658686-3</a> | <a href="#">1658686-4</a> | -                                                               | -                       |

## Material and Finish

**Pin:** Brass

**Socket:** Phosphor bronze

**Plated:**

**A:** duplex plated .000030 gold on mating end, tin on crimp barrel, with entire contact underplated

**B:** duplex plated gold flash on mating end, tin on crimp barrel, entire contact nickel plated

Notes:

- 1. Strip form contacts shipped 20,000 pcs/reel.

# HDE-20 CRIMP SNAP-IN CONTACT CONNECTORS

Ferrules for Shielding Hardware Kits

| Shell Size | Style    | L Dimension | Cable Diameter | Ferrule                    | Die Sets*                |
|------------|----------|-------------|----------------|----------------------------|--------------------------|
| 1-3        | Stepped  | .440        | .165-.190      | <a href="#">3-747579-0</a> | <a href="#">543424-3</a> |
| 1-3        | Stepped  | .440        | .190-.217      | <a href="#">3-747579-0</a> | <a href="#">543424-2</a> |
| 1-3        | Stepped  | .440        | .217-.246      | <a href="#">3-747579-0</a> | <a href="#">543424-8</a> |
| 1-3        | Stepped  | .440        | .246-.284      | <a href="#">3-747579-2</a> | <a href="#">543424-1</a> |
| 1-3        | Stepped  | .440        | .284-.324      | <a href="#">3-747579-2</a> | <a href="#">543424-7</a> |
| 1-3        | Stepped  | .440        | .324-.375      | <a href="#">3-747579-4</a> | <a href="#">543424-6</a> |
| 1-3        | Straight | .440        | .375-.435      | <a href="#">2-747579-7</a> | <a href="#">543424-5</a> |
| 1-3        | Straight | .440        | .400-.455      | <a href="#">3-747579-6</a> | <a href="#">543424-4</a> |
| 4          | Stepped  | .625        | .338-.385      | <a href="#">2-747580-3</a> | <a href="#">543425-1</a> |
| 4          | Stepped  | .625        | .375-.432      | <a href="#">2-747580-1</a> | -                        |
| 4          | Stepped  | .625        | .422-.490      | <a href="#">3-747580-1</a> | <a href="#">58237-2</a>  |
| 4          | Straight | .625        | .480-.562      | <a href="#">2-747580-2</a> | <a href="#">58237-1</a>  |

## Material and Finish

Steel (annealed), tin plated

Notes:

- 1. All part numbers are RoHS compliant.

\* Die sets used with Hand Crimping Tool  
Part No. 54334411 or Pneumatic Bench  
Tool Part No. 312522-3 equipped with  
Die Set Holder Part No. 58449-1.

# HDE-20 CONTACTS, PRECISION FORMED

Interchangeable Contacts, Crimp Snap-In

| Wire Size<br>Range AWG | Code* | Insulation Diameter |          | Contact Finish<br>(Plating Code) | Contact Part Numbers       |                            |
|------------------------|-------|---------------------|----------|----------------------------------|----------------------------|----------------------------|
|                        |       | Single Wire         | Two Wire |                                  | Pin Strip Form             | Socket Strip Form          |
| 26-22                  | 4     | .054                | .039     | A                                | -                          | <a href="#">1-745269-1</a> |
|                        |       |                     |          | B                                | <a href="#">1-745266-0</a> | <a href="#">1-745269-0</a> |
| 22-18                  | 3     | .075                | .054     | A                                | <a href="#">1-745267-0</a> | <a href="#">1-745270-1</a> |

\*A Code indicating accepted wire size range is stamped inside insulation crimp barrel of each contact

## Material and Finish

**Phosphor bronze, duplex plated as follows:**

**Socket:** Phosphor bronze

**A:** Duplex plated .000030 gold on mating end, tin on termination end, with entire contact nickel underplated

**B:** Gold flash on mating end, tin on termination end, with entire contact nickel underplated

Notes:

- 1. Extraction Tool No. 91232-1 is used to remove pin and socket contacts.
- 2. Strip form contacts shipped 10,000 pieces/reel.



# UNSHIELDED CABLE CLAMPS

Straight/ 90°Exit

| Shell Size | Dim. A | Dim. B | Cable Dia (Max.) | Cable Clamp Kit No. (Individual) |
|------------|--------|--------|------------------|----------------------------------|
| 2          | 1.550  | .826   | .350             | <a href="#">5206471-1</a>        |
| 3          | 2.090  | .826   | .335             | <a href="#">5206472-1</a>        |
|            |        |        | .460             | <a href="#">5745134-1</a>        |
| 5          | 2.644  | .938   | .775             | <a href="#">207476-1</a>         |

### Material and Finish

**Cable Clamp Housing:** Thermoplastic, black with textured finish

**4-40 Mounting Screws:** Steel, tin plated

**4-40 Housing Screws & Hex Nuts:** Steel, zinc plated

Notes:

- 1. All parts are packaged unassembled.
- 2. Straight or 90°cable exit is achieved by inserting AMP-TY Cable Ties through cable tie openings and clamping the cable to one housing half only.
- 3. All part numbers are RoHS compliant.

180°/ 120°Exit

| Shell Size | Cable Dia. Range (Ref.) | Dim. A | Kit No.*** without Retainer Screws and Clips | Packaging |
|------------|-------------------------|--------|----------------------------------------------|-----------|
| 1          | .075-.250               | .785   | <a href="#">5750100-1</a>                    | unit kit  |
| 3          | .180-.460               | 1.65   | <a href="#">5750078-1</a>                    | unit kit  |

### Material and Finish

**Cover:** Polypropylene, black

**Strain Relief Clip:** Stainless steel

**Retainer Clip:** Stainless steel

**Screws:** carbon steel, zin plated

**Cable Gate:** Polypropylene, black

Notes:

- 1. All part numbers are RoHS compliant.
- \*For metal shell connectors only.
- \*\* Type 2 Retainer Clip.
- \*\*\*For metal shell or all plastic connectors



# UNSHIELDED CABLE CONNECTORS AND CLAMP KITS

## Unshielded Cable Clamp Kits with HDP-20 Connectors

| Shell Size | Cable Dia. Range (Ref.) | Dim. A | Plug Kit Part No.        | Packaging |
|------------|-------------------------|--------|--------------------------|-----------|
| 2          | .170-.380               | 1.110  | <a href="#">749808-9</a> | 100/pack  |
| 3          | .180-.460               | 1.650  | <a href="#">749808-7</a> |           |

## Unshielded Cable Clamp Kits with HDE-20 All-Plastic Connectors

| Shell Size | Cable Dia. Range (Ref.) | Dim. A | Plug Kit Part No.        | Packaging |
|------------|-------------------------|--------|--------------------------|-----------|
| 3          | .180-.460               | 1.650  | <a href="#">749809-9</a> | 100/pack  |

### Material and Finish

- Cover:** Polypropylene, black
- Retention Screws:** Steel, zinc plated
- Retention Clips:** Stainless steel
- Cable Gate Plug:** Polypropylene, black
- Strain Relief Clip:** Stainless Steel
- Self Tapping Screws:** Steel, zinc plated
- Contacts:** Brass (HDP Pins), phosphor bronze (all others), plated gold flash on the mating end, .000100 min. tin on the terminating end, all over .000030 min. nickel underplating
- Housing:** Polyester or nylon, glassfilled, UL rated 94V-0, black
- Shell:** Steel, plated .000200 min. tin over .000050 min. copper

### Notes:

1. All part numbers are RoHS compliant.



# UNSHIELDED CABLE CLAMPS

## Straight Exit Low Profile for Jacketed Cable

| Shell Size | Dim. A | Dim. B: When Used on Plug | Dim. B: When Used on Receptacle | Cable Dia. (Max.) | Cable Clamp Kit No. (Individual) | Cable Clamp Kit No. (Bulk Packed) |
|------------|--------|---------------------------|---------------------------------|-------------------|----------------------------------|-----------------------------------|
| 1          | .732   | 1.582                     | 1.533                           | .330              | <a href="#">745547-1</a>         | <a href="#">745547-2</a>          |

## 90° Exit Low Profile for Jacketed Cable

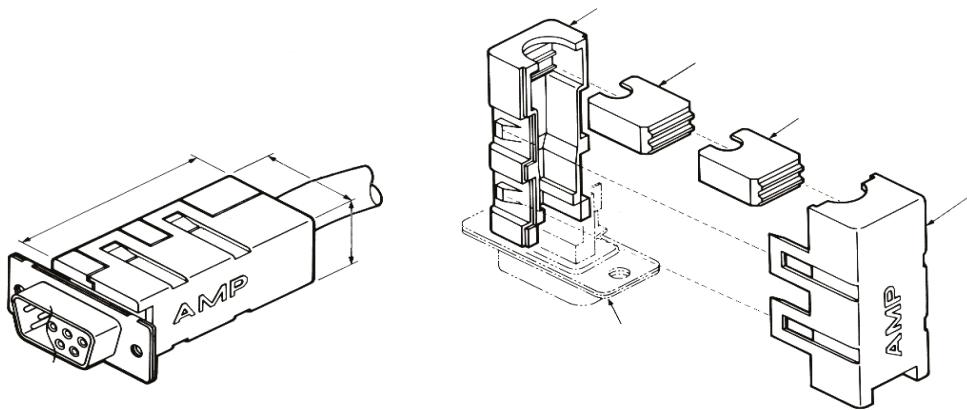
| Shell Size | Dim. B: When Used on Plug | Dim. B: When Used on Receptacle | Cable Dia. (Max.) | Cable Clamp Kit No. (Individual) |
|------------|---------------------------|---------------------------------|-------------------|----------------------------------|
| 1          | 1.290                     | 1.241                           | .330              | <a href="#">745550-1</a>         |

### Material

#### Black Thermoplastic

Notes:

- 1. All parts are packaged unassembled.
- 2. Each kit is comprised of a cover half and an assortment of cable support gate latches.
- 3. All part numbers are RoHS compliant.



Straight Exit Low Profile for Jacketed Clamps

# UNSHIELDED CABLE CLAMPS

## Slide-On Back Cover

| Shell Size | Dim. A | Back Cover Kit No. Individual |
|------------|--------|-------------------------------|
| 3          | 1.482  | <a href="#">745530-3</a>      |
| 4          | 2.134  | <a href="#">745530-4</a>      |

### Notes:

1. All parts are packaged unassembled.
2. Each slide-on back cover kit includes two identical cover halves which snap together over the connector.
3. All part numbers are RoHS compliant.

## Box and Lid Straight/90° Exit Cable Clamp Kit with Male Screw Retainers

| Shell Size | Cable Clamp Kit No.         |
|------------|-----------------------------|
| 1          | <a href="#">5207908-1</a>   |
| 2          | <a href="#">5207908-4</a>   |
| 3          | <a href="#">5207908-7</a>   |
| 4          | <a href="#">1-5207908-0</a> |
| 5          | <a href="#">1-5207908-3</a> |

### Notes:

1. All parts are packaged unassembled.
2. Each kit is comprised of a cable clamp and male screw retainer hardware. Male screw retainers are also available in kit form.
3. All part numbers are RoHS compliant.

## Box and Lid Straight/90° Exit

| Shell Size | Dim. A | Dim. B | Cable Dia. Max. (Ref.) |                | Cable Clamp Kit No.      |                          |
|------------|--------|--------|------------------------|----------------|--------------------------|--------------------------|
|            |        |        | Straight Cable Exit    | 90° Cable Exit | Individual               | Bulk Packed*             |
| 1          | .755   | .630   | .160                   | .160           | <a href="#">207467-1</a> | <a href="#">207467-2</a> |
| 2          | 1.078  | .630   | .320                   | .320           | <a href="#">207470-1</a> | -                        |
| 3          | 1.620  | .770   | .390                   | .390           | <a href="#">207345-1</a> | <a href="#">207345-2</a> |
| 4          | 2.268  | .770   | .640                   | .405           | <a href="#">207473-1</a> | -                        |
| 5          | 2.178  | .880   | .490                   | .490           | <a href="#">207476-1</a> | -                        |

## Material and Finish

**Cable Clamp Housing:** Thermoplastic, black with textured finish

**Gates:** Thermoplastic, black

**Flat Head Screws:** Steel, black, zinc plated

**Male Screw:** Steel, zinc plated yellow chromate

**Retaining Clip:** Stainless steel

### Notes:

1. All parts are packaged unassembled.
2. Cable diameter is adjustable by changing support gates. Use the flat side of cable support gates for discrete wire, and the semicircle side for jacketed cable.
3. Cable clam assemblies are available in kits with male screw retainers.

\*Each part is individually bulk packed for multiple kit orders.



## Clam Shell Straight/45° Exit

| Shell Size | Dim. A | Dim. B | Dim. C | Dim. D | Cable Dia. (Max.) | Short Cable Clamp: Individual | Standard Cable Clamp: Individual | Standard Cable Clamp: Bulk Packed |
|------------|--------|--------|--------|--------|-------------------|-------------------------------|----------------------------------|-----------------------------------|
| 1          | 1.625  | .750   | .640   | .640   | .256              | -                             | <a href="#">5205729-1</a>        | <a href="#">5205729-3</a>         |
| 2          | 1.250  | 1.073  | .600   | .640   | .320              | <a href="#">5206393-1</a>     | -                                | -                                 |
|            | 1.625  | 1.073  | .640   | .640   | .320              | -                             | <a href="#">5205730-1</a>        | -                                 |
| 3          | 1.250  | 1.615  | .600   | .640   | .420              | <a href="#">5206390-1</a>     | -                                | -                                 |
|            | 1.625  | 1.615  | .640   | .640   | .420              | -                             | <a href="#">5205718-1</a>        | -                                 |
| 4          | 1.625  | 2.263  | .640   | .640   | .490              | -                             | <a href="#">5205731-1</a>        | -                                 |

### Material and Finish

**Cable Clamp Housing:** Thermoplastic, black with textured finish

**Gates:** Thermoplastic, black Pan Head Screws, 6-32 Set Screw and 6-32 Square

**Nut:** Steel, zinc plated (sizes 1 and 2 include self tapping screws only)

Notes:

1. All parts are packaged unassembled.
2. Quantity of pan head screws supplied with cable clamp assembly varies with shell size.
3. All pan head screws have combination cross-recessed and slotted heads.
4. All parts are RoHS compliant.

\*Each part is individually bulk packed for multiple assembly orders.

## UNSHIELDED CABLE CLAMPS

### Clam Shell Straight/45° Exit Cable Clamp Kits with Male Screw Retainers

| Shell Size | Standard Cable Clamp: Individual |
|------------|----------------------------------|
| 1          | <a href="#">5206478-1</a>        |
| 2          | <a href="#">5206478-2</a>        |
| 3          | <a href="#">5206478-3</a>        |
| 4          | <a href="#">5206478-4</a>        |
| 5          | <a href="#">5206478-5</a>        |

### Material and Finish

**Cable Clamp Housing:** Thermoplastic, black with textured finish

**Gates:** Thermoplastic, black Pan Head Screws, 6-32 Set Screw and 6-32 Square Nut: Steel, zinc plated (sizes 1 and 2 include self tapping screws only)

**Male Screw:** Steel, zinc plated yellow chromate

**Retaining Clip:** Stainless steel

Notes:

1. All parts are packaged unassembled.
2. Each kit is comprised of a cable clamp and male screw retainer hardware. Male screw retainers are also available in kit form.
3. All parts are RoHS compliant.

\*Each part is individually bulk packed for multiple assembly orders.



# UNSHIELDED CABLE CLAMPS

## Cable Clamp Kits with Grommets

### Straight Exit Dataphone

| Shell Size | Dim. A | Dim. B | Max. Cable Dia.<br>(without gate) | Max. Cable Dia.<br>(with gate) | Cable Gate<br>Identification* | Threaded Size | Cable Clamp Kit<br>No.,   |
|------------|--------|--------|-----------------------------------|--------------------------------|-------------------------------|---------------|---------------------------|
| 2          | 1.575  | 1.312  | .400                              | .200                           | 2A                            | 4-40          | <a href="#">5745122-2</a> |
|            |        |        |                                   | .260                           | 2B                            |               |                           |
|            |        |        |                                   | .320                           | 2C                            |               |                           |

### Material and Finish

**Cable Clamp Housing:** Nylon, black

**4-40 Fillister Head Screws & Hex Nuts:** Steel, clear zinc plated

**Jackscrews:** Steel, black zinc plated

### Notes:

- 1. All parts are packaged unassembled.
- 2. Cable diameter is adjustable by changing cable support gates.
- \*Molded-in identification is provided on cable support gates to facilitate proper selection with regard to shell size and maximum acceptable cable diameter

## Cable Clamp Kits with Grommets

| Shell Size | Dim. A | Dim. B | Dim. C | Dim. D | Cable O.D. Range | No. of Grommets<br>Per Set | Kit Numbers               |
|------------|--------|--------|--------|--------|------------------|----------------------------|---------------------------|
| 1          | 1.215  | 1.910  | .570   | .630   | .185-.320        | 4                          | <a href="#">5748678-1</a> |
| 2          | 1.545  | 1.910  | .620   | .620   | .185-.320        | 4                          | <a href="#">5748678-2</a> |
| 3          | 2.090  | 1.920  | .680   | .640   | .255-.470        | 6                          | <a href="#">5748678-3</a> |
| 4          | 2.738  | 1.920  | .800   | .620   | .255-.470        | 6                          | <a href="#">5748678-4</a> |
| 5          | 2.644  | 1.920  | .900   | .730   | .255-.470        | 6                          | <a href="#">5748678-5</a> |

### Notes:

- 1. All parts are packaged unassembled.
- 2. Jackscrews must be purchased separately.
- 3. Shielded cable clamps will not accept connector housings with clinch nuts.
- 4. All part numbers are RoHS compliant.

# SHIELDED CABLE CLAMPS

## Straight Exit RFI/EMI Die Cast Shield For Jacketed Cable (Two Piece)

| Shell Size | No. of Position | ID Letter | Cable Dia. W/ Ferrule | Part No.                  | Grommet Kit               |
|------------|-----------------|-----------|-----------------------|---------------------------|---------------------------|
| 2          | 15              | E         | .260-.300             | <a href="#">5745919-3</a> | -                         |
|            |                 | H         | .190-.375             | <a href="#">5745919-2</a> | <a href="#">747746-1*</a> |
|            |                 | K         | .190-.430             | <a href="#">5745919-1</a> | -                         |

### Material and Finish

**Shield:** Zinc alloy, plated nickel over copper

**4-40 Pan Head Screws & Latch Screws**

**(90° Exit Only):** Steel, zinc plated

**One Piece Slide Latch (90° Exit Only):**

Stainless steel

### Notes:

- 1. All parts are packaged unassembled.
- 2. Each kit comprised of a two-piece shield with 2 pan head screws.
- 3. All part numbers are RoHS compliant.

## 90° Exit RFI/EMI Die Cast Shields for Jacketed Cable (Two Piece)

| Shell Size<br>(No. of Positions) | Dim. A | Cable Dia. w/ Ferrule | Shield with Slide Latch Kit No.<br>(see note 2) | Grommet Kit              |
|----------------------------------|--------|-----------------------|-------------------------------------------------|--------------------------|
| 2 (15)                           | 2.310  | .260-.300             | <a href="#">5745652-3</a>                       | -                        |
|                                  |        | .190-.375             | <a href="#">5745652-2*</a>                      | <a href="#">747746-1</a> |
|                                  |        | .190-.430             | <a href="#">5745652-1</a>                       | -                        |
| 3 (25)                           | 2.850  | .240-.280             | <a href="#">5745653-5</a>                       | -                        |
|                                  |        | .315-.355             | <a href="#">5745653-4</a>                       | -                        |
|                                  |        | .190-.430             | <a href="#">5745653-3</a>                       | -                        |
|                                  |        | .440-.480             | <a href="#">5745653-2</a>                       | -                        |
|                                  |        | .380-.530             | <a href="#">5745653-1*</a>                      | <a href="#">747973-1</a> |
|                                  |        |                       |                                                 |                          |

### Notes:

- 1. All parts are packaged unassembled.
- 2. Each kit is comprised of a two-piece shield with three pan head screws and a slide latch with two 4-40 slide latch screws.
- 3. Each kit is comprised of a two-piece shield with three pan head screws.
- 4. All part numbers are RoHS compliant.

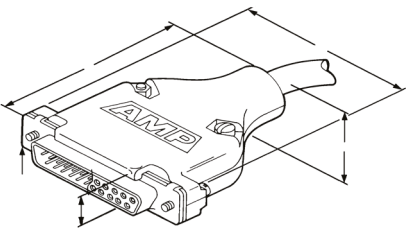
\*Cable Dia. With Grommet Kit: Size 2= .185-.320, Size 3= .255-.470

# SHIELDED CABLE CLAMPS

| Shell Size | Dim. A | Dim. B | Dim. C | Dim. D | Cable O.D. (Max.) | Die Cast Shield Kit Numbers | Metal-Plated Plastic Shield Kit Numbers | Grommet Sets     |                         |                          |
|------------|--------|--------|--------|--------|-------------------|-----------------------------|-----------------------------------------|------------------|-------------------------|--------------------------|
|            |        |        |        |        |                   |                             |                                         | Cable O.D. Range | No. of Grommets Per Set | Part Number              |
| 1          | 1.215  | 1.910  | .550** | .620** | .200              | <a href="#">5745171-2</a>   | <a href="#">5745854-5</a>               | -                | -                       | -                        |
|            |        |        |        |        | .240              | <a href="#">5745171-5</a>   | <a href="#">5745854-1</a>               | -                | -                       | -                        |
|            |        |        |        |        | .250              | <a href="#">5745171-1</a>   | <a href="#">5745854-3</a>               | -                | -                       | -                        |
|            |        |        |        |        | .280              | <a href="#">5745171-5</a>   | <a href="#">5745854-1</a>               | -                | -                       | -                        |
|            |        |        |        |        | .370              | <a href="#">5745171-5</a>   | <a href="#">5745854-1</a>               | .185-.320        | 4                       | <a href="#">747746-1</a> |
| 2          | 1.545  | 1.910  | .620   | .620   | .225              | <a href="#">5745172-3</a>   | <a href="#">5747099-7</a>               | -                | -                       | -                        |
|            |        |        |        |        | .240              | <a href="#">5745172-1</a>   | <a href="#">5747099-3</a>               | -                | -                       | -                        |
|            |        |        |        |        | .280              | <a href="#">5745919-1</a>   | <a href="#">5747099-1</a>               | -                | -                       | -                        |
|            |        |        |        |        | .300              | <a href="#">5745172-2</a>   | <a href="#">5747099-5</a>               | -                | -                       | -                        |
|            |        |        |        |        | .350              | <a href="#">5745919-1</a>   | <a href="#">5747099-1</a>               | -                | -                       | -                        |
|            |        |        |        |        | .365              | <a href="#">5745172-1</a>   | <a href="#">5747099-3</a>               | -                | -                       | -                        |
|            |        |        |        |        | .375              | <a href="#">5745172-1</a>   | <a href="#">5747099-3</a>               | .185-.320        | 4                       | <a href="#">747746-1</a> |
|            |        |        |        |        | .430              | <a href="#">1-5745172-3</a> | <a href="#">5747099-1</a>               | -                | -                       | -                        |
| 3          | 2.090  | 1.920  | .680   | .620** | .240              | <a href="#">5745173-3</a>   | <a href="#">5745833-5</a>               | -                | -                       | -                        |
|            |        |        |        |        | .280              | <a href="#">5745173-5</a>   | -                                       | -                | -                       | -                        |
|            |        |        |        |        | .350              | <a href="#">5745173-4</a>   | <a href="#">5745833-7</a>               | -                | -                       | -                        |
|            |        |        |        |        | .430              | <a href="#">5745173-3</a>   | <a href="#">5745833-5</a>               | -                | -                       | -                        |
|            |        |        |        |        | .480              | <a href="#">5745173-2</a>   | -                                       | -                | -                       | -                        |
|            |        |        |        |        | .530              | <a href="#">5745173-1</a>   | <a href="#">5745833-1</a>               | .255-.470        | 6                       | <a href="#">747973-1</a> |
| 4          | 2.738  | 1.920  | .800   | .620   | .240              | <a href="#">5745174-4</a>   | <a href="#">5747100-7</a>               | -                | -                       | -                        |
|            |        |        |        |        | .280              | <a href="#">5745174-4</a>   | <a href="#">5747100-7</a>               | -                | -                       | -                        |
|            |        |        |        |        | .350              | <a href="#">5745174-5</a>   | -                                       | -                | -                       | -                        |
|            |        |        |        |        | .430              | <a href="#">5745174-4</a>   | -                                       | -                | -                       | -                        |
|            |        |        |        |        | .500              | <a href="#">5745174-3</a>   | -                                       | -                | -                       | -                        |
|            |        |        |        |        | .525              | <a href="#">5745174-1</a>   | -                                       | -                | -                       | -                        |
|            |        |        |        |        | .530              | <a href="#">2-5745174-7</a> | -                                       | .255-.470        | 6                       | <a href="#">747973-1</a> |
|            |        |        |        |        | .575              | <a href="#">5745174-2</a>   | <a href="#">5747100-3</a>               | -                | -                       | -                        |
| 5          | 2.644  | 1.920  | .900   | .730   | .240              | <a href="#">5745175-6</a>   | -                                       | -                | -                       | -                        |
|            |        |        |        |        | .365              | <a href="#">5745175-6</a>   | -                                       | -                | -                       | -                        |
|            |        |        |        |        | .375              | <a href="#">5745175-6</a>   | -                                       | -                | -                       | -                        |
|            |        |        |        |        | .450              | <a href="#">5745175-5</a>   | -                                       | -                | -                       | -                        |
|            |        |        |        |        | .525              | <a href="#">5745175-4</a>   | -                                       | .255-.470        | 6                       | <a href="#">747973-1</a> |
|            |        |        |        |        | .530              | <a href="#">5745175-4</a>   | -                                       | -                | -                       | -                        |
|            |        |        |        |        | .600              | <a href="#">5745175-3</a>   | -                                       | -                | -                       | -                        |
|            |        |        |        |        | .650              | <a href="#">5745175-1</a>   | <a href="#">5747098-1</a>               | -                | -                       | -                        |
|            |        |        |        |        | .675              | <a href="#">5745175-2</a>   | -                                       | -                | -                       | -                        |
|            |        |        |        |        | .750              | <a href="#">5745175-1</a>   | <a href="#">5747098-1</a>               | -                | -                       | -                        |

Material and Finish

- Die Cast Shield: Zinc alloy, plated bright nickel over bright copper
- Metal-Plated Plastic Shield: Thermoplastic, plated nickel over copper
- 4-40 Fillister Head Screws and Hex Nuts: Steel, zinc plated
- 4-40 Mounting Screws: Steel, zinc plated
- Jackscrews: Stainless steel, passivated



HDE or HDP Plug or Receptacle

Cable Clamp Kits Backshell

| Part Number               | Detailed Description | Number of Positions | Cable Exit Angle | Body Orientation | Compatible With Connector Shape | Operating Temperature (Max) |
|---------------------------|----------------------|---------------------|------------------|------------------|---------------------------------|-----------------------------|
| <a href="#">2508226-1</a> | D-SUB 9P BACKSHELL   | 9                   | 180°             | 180°             | Rectangular                     | 105 °C                      |
| <a href="#">2508217-1</a> | D-SUB 15P BACKSHELL  | 15                  | 180°             | 180°             | Rectangular                     | 105 °C                      |
| <a href="#">2508224-1</a> | D-SUB 44P BACKSHELL  | 44                  | 180°             | 180°             | Rectangular                     | 105 °C                      |



Cable Clamp Kits with Grommets

| Shell Size | Dim. A | Dim. B | Dim. C | Dim. D | Cable O.D. (Max.) | No. of Grommets Per Set | Die Cast Shield with Grommets | Metal-Plated Plastic Shield with Grommets |
|------------|--------|--------|--------|--------|-------------------|-------------------------|-------------------------------|-------------------------------------------|
| 1          | 1.215  | 1.910  | .550** | .620** | .185-.320         | 4                       | <a href="#">5748676-1</a>     | <a href="#">5748677-1</a>                 |
| 2          | 1.545  | 1.910  | .620   | .620   | .185-.320         | 4                       | <a href="#">5748676-2</a>     | <a href="#">5748677-2</a>                 |
| 3          | 2.090  | 1.920  | .680   | .620** | .255-.470         | 6                       | <a href="#">5748676-3</a>     | <a href="#">5748677-3</a>                 |
| 4          | 2.738  | 1.920  | .800   | .620   | .255-.470         | 6                       | <a href="#">5748676-4</a>     | <a href="#">5748677-4</a>                 |
| 5          | 2.644  | 1.920  | .900   | .730   | .255-.470         | 6                       | -                             | <a href="#">5748677-5</a>                 |

Notes:

1. All parts are packaged unassembled.
2. Jackscrews must be purchased separately.
3. Shielded cable clamps will not accept connector housings with clinch nuts.
3. All part numbers are RoHS compliant.

\*\*The following dimensions apply to metal-plated plastic cable clamps.

Size 1: C= .570, D= .630

Size 3: D= .640



# SHIELDED CABLE CLAMPS

| Shell Size | Cable Dia.<br>(Max.) | Straight<br>Exit Shield:<br>Die Cast | When using these Shield Kits                       |                                                   | Use these Ferrules                   |                            |                            |                                   |
|------------|----------------------|--------------------------------------|----------------------------------------------------|---------------------------------------------------|--------------------------------------|----------------------------|----------------------------|-----------------------------------|
|            |                      |                                      | Straight Exit<br>Shield: Met-<br>al-Plated Plastic | 90° Exit<br>Die Cast<br>Shield: W/<br>Slide Latch | Crimp Ferrule No. and Tooling No. ** |                            |                            |                                   |
|            |                      |                                      |                                                    |                                                   | Split-<br>Ring*Ferrule<br>No.        | Inner                      | Outer                      | Die Set For Hand<br>Tool 543344-1 |
| 1          | .200                 | <a href="#">5745171-2</a>            | <a href="#">5745854-5</a>                          | -                                                 | <a href="#">745508-2</a>             | -                          | -                          | -                                 |
|            | .240                 | <a href="#">5745171-5</a>            | <a href="#">5745854-1</a>                          | -                                                 | -                                    | <a href="#">7-745129-8</a> | <a href="#">3-745130-8</a> | <a href="#">543013-2</a>          |
|            | .250                 | <a href="#">5745171-1</a>            | <a href="#">5745854-3</a>                          | -                                                 | <a href="#">745508-3</a>             | -                          | -                          | -                                 |
|            | .280                 | <a href="#">5745171-5</a>            | <a href="#">5745854-1</a>                          | -                                                 | -                                    | <a href="#">7-745129-9</a> | <a href="#">4-745130-5</a> | <a href="#">1-543013-7</a>        |
|            | .370                 | <a href="#">5745171-5</a>            | <a href="#">5745854-1</a>                          | -                                                 | <a href="#">745508-6</a>             | <a href="#">6-745129-9</a> | <a href="#">4-745130-0</a> | <a href="#">543013-6</a>          |
| 2          | .225                 | <a href="#">5745172-3</a>            | <a href="#">5747099-7</a>                          | -                                                 | <a href="#">745508-3</a>             | -                          | -                          | -                                 |
|            | .240                 | <a href="#">5745172-1</a>            | <a href="#">5747099-3</a>                          | -                                                 | -                                    | <a href="#">7-745129-8</a> | <a href="#">3-745130-8</a> | <a href="#">543013-2</a>          |
|            | .240                 | <a href="#">1-5745172-3</a>          | <a href="#">5747099-1</a>                          | <a href="#">5745652-1</a>                         | -                                    | -                          | <a href="#">3-745130-8</a> | <a href="#">543013-3</a>          |
|            |                      | <a href="#">5745919-1</a>            |                                                    |                                                   |                                      |                            |                            |                                   |
|            | .280                 | <a href="#">1-5745172-3</a>          | <a href="#">5747099-1</a>                          | <a href="#">5745652-1</a>                         | -                                    | <a href="#">7-745129-8</a> | <a href="#">4-745130-5</a> | <a href="#">1-543013-6</a>        |
|            |                      | <a href="#">5745919-1</a>            |                                                    |                                                   |                                      |                            |                            |                                   |
|            | .300                 | <a href="#">5745172-2</a>            | <a href="#">5747099-5</a>                          | <a href="#">5745652-3</a>                         | <a href="#">745508-4</a>             | -                          | -                          | -                                 |
|            |                      | <a href="#">5745919-3</a>            |                                                    |                                                   |                                      |                            |                            |                                   |
|            | .350                 | <a href="#">1-5745172-3</a>          | <a href="#">5747099-1</a>                          | <a href="#">5745652-1</a>                         | -                                    | <a href="#">7-745129-2</a> | <a href="#">3-745130-9</a> | <a href="#">543013-4</a>          |
|            |                      | <a href="#">5745919-1</a>            |                                                    |                                                   |                                      |                            |                            |                                   |
|            | .365                 | <a href="#">5745172-1</a>            | <a href="#">5747099-3</a>                          | <a href="#">5745652-2</a>                         | -                                    | <a href="#">6-745129-9</a> | <a href="#">4-745130-0</a> | <a href="#">543013-6</a>          |
|            | .375                 | <a href="#">5745172-1</a>            | <a href="#">5747099-3</a>                          | <a href="#">5745652-2</a>                         | <a href="#">745508-6</a>             | -                          | -                          | -                                 |
|            |                      | <a href="#">5745919-2</a>            |                                                    |                                                   |                                      |                            |                            |                                   |
|            | .430                 | <a href="#">1-5745172-3</a>          | <a href="#">5747099-1</a>                          | <a href="#">5745652-1</a>                         | <a href="#">745508-1</a>             | <a href="#">7-745129-1</a> | <a href="#">4-745130-1</a> | <a href="#">543013-7</a>          |
|            |                      | <a href="#">5745919-1</a>            |                                                    |                                                   |                                      |                            |                            |                                   |
| 3          | .240                 | <a href="#">5745173-3</a>            | <a href="#">5745833-5</a>                          | <a href="#">5745653-3</a>                         | -                                    | -                          | <a href="#">3-745130-8</a> | <a href="#">543013-3</a>          |
|            | .280                 | <a href="#">5745173-5</a>            | -                                                  | <a href="#">5745653-5</a>                         | <a href="#">745508-4</a>             | -                          | -                          | -                                 |
|            | .280                 | <a href="#">5745173-3</a>            | <a href="#">5745833-5</a>                          | <a href="#">5745653-3</a>                         | -                                    | <a href="#">7-745129-8</a> | <a href="#">4-745130-5</a> | <a href="#">1-543013-6</a>        |
|            | .350                 | <a href="#">5745173-4</a>            | <a href="#">5745833-7</a>                          | <a href="#">5745653-4</a>                         | <a href="#">745508-5</a>             | -                          | -                          | -                                 |
|            | .350                 | <a href="#">5745173-3</a>            | <a href="#">5745833-5</a>                          | <a href="#">5745653-3</a>                         | -                                    | <a href="#">7-745129-2</a> | <a href="#">3-745130-9</a> | <a href="#">543013-4</a>          |
|            | .430                 | <a href="#">5745173-3</a>            | <a href="#">5745833-5</a>                          | <a href="#">5745653-3</a>                         | <a href="#">745508-1</a>             | <a href="#">7-745129-1</a> | <a href="#">4-745130-1</a> | <a href="#">543013-7</a>          |
|            | .430                 | <a href="#">5745173-1</a>            | <a href="#">5745833-1</a>                          | <a href="#">5745653-1</a>                         | -                                    | -                          | <a href="#">4-745130-1</a> | <a href="#">543013-8</a>          |
|            | .480                 | <a href="#">5745173-2</a>            | -                                                  | <a href="#">5745653-2</a>                         | <a href="#">745508-8</a>             | -                          | -                          | -                                 |
|            | .530                 | <a href="#">5745173-1</a>            | <a href="#">5745833-1</a>                          | <a href="#">5745653-1</a>                         | <a href="#">745508-9</a>             | <a href="#">7-745129-4</a> | <a href="#">4-745130-2</a> | <a href="#">1-543013-0</a>        |
| 4          | .240                 | <a href="#">5745174-4</a>            | -                                                  | -                                                 | -                                    | -                          | <a href="#">3-745130-8</a> | <a href="#">543013-3</a>          |
|            | .280                 | <a href="#">5745174-4</a>            | -                                                  | -                                                 | -                                    | <a href="#">7-745129-8</a> | <a href="#">4-745130-5</a> | <a href="#">1-543013-6</a>        |
|            | .350                 | <a href="#">5745174-5</a>            | -                                                  | -                                                 | <a href="#">745508-5</a>             | -                          | -                          | -                                 |
|            | .350                 | <a href="#">5745174-4</a>            | -                                                  | -                                                 | -                                    | <a href="#">7-745129-2</a> | <a href="#">3-745130-9</a> | <a href="#">543013-4</a>          |
|            | .430                 | <a href="#">5745174-4</a>            | -                                                  | -                                                 | <a href="#">745508-1</a>             | <a href="#">7-745129-1</a> | <a href="#">4-745130-1</a> | <a href="#">543013-7</a>          |
|            | .500                 | <a href="#">5745174-3</a>            | -                                                  | -                                                 | <a href="#">745508-8</a>             | -                          | -                          | -                                 |
|            | .525                 | <a href="#">5745174-1</a>            | <a href="#">5747100-1</a>                          | -                                                 | -                                    | <a href="#">7-745129-6</a> | <a href="#">4-745130-2</a> | <a href="#">1-543013-1</a>        |
|            | .575                 | <a href="#">5745174-2</a>            | <a href="#">5747100-3</a>                          | -                                                 | <a href="#">1-745508-0</a>           | -                          | -                          | -                                 |
|            | .650                 | <a href="#">5745174-1</a>            | <a href="#">5747100-1</a>                          | -                                                 | <a href="#">1-745508-1</a>           | -                          | -                          | -                                 |
| 5          | .240                 | <a href="#">5745175-6</a>            | -                                                  | -                                                 | -                                    | <a href="#">7-745129-0</a> | <a href="#">3-745130-8</a> | <a href="#">543013-2</a>          |
|            | .365                 | <a href="#">5745175-6</a>            | -                                                  | -                                                 | -                                    | <a href="#">6-745129-9</a> | <a href="#">4-745130-0</a> | <a href="#">543013-6</a>          |
|            | .375                 | <a href="#">5745175-6</a>            | -                                                  | -                                                 | <a href="#">745508-6</a>             | -                          | -                          | -                                 |
|            | .430                 | <a href="#">5745175-4</a>            | -                                                  | -                                                 | -                                    | -                          | <a href="#">4-745130-1</a> | <a href="#">543013-8</a>          |
|            | .450                 | <a href="#">5745175-5</a>            | -                                                  | -                                                 | <a href="#">745508-7</a>             | -                          | -                          | -                                 |
|            | .525                 | <a href="#">5745175-4</a>            | -                                                  | -                                                 | <a href="#">745508-9</a>             | -                          | -                          | -                                 |
|            | .530                 | <a href="#">5745175-4</a>            | -                                                  | -                                                 | -                                    | <a href="#">7-745129-4</a> | <a href="#">4-745130-2</a> | <a href="#">1-543013-0</a>        |
|            | .600                 | <a href="#">5745175-3</a>            | -                                                  | -                                                 | <a href="#">1-745508-0</a>           | -                          | -                          | -                                 |
|            | .650                 | <a href="#">5745175-1</a>            | <a href="#">5747098-1</a>                          | -                                                 | -                                    | <a href="#">1-745508-1</a> | -                          | <a href="#">1-543013-4</a>        |
|            | .675                 | <a href="#">5745175-2</a>            | -                                                  | -                                                 | <a href="#">1-745508-1</a>           | -                          | -                          | -                                 |
|            | .750                 | <a href="#">5745175-1</a>            | <a href="#">5747098-1</a>                          | -                                                 | <a href="#">1-745508-2</a>           | -                          | -                          | -                                 |

Material and Finish

**Outer Ferrule:** Copper, plated .000100 [0.00254] min. tin  
**Inner Ferrule:** .023 [0.58] thick brass, plated .000050 [0.00127] tin over copper

Notes:  
1. All part numbers are RoHS compliant.  
\*For split-ring ferrules, Min. O.D. is .040 smaller than Max. O.D.  
\*\*For inner and outer ferrules, Min. O.D. is .050 smaller than Max. O.D.  
At the Max. O.D., the Min. insulation thickness is .060.

HARDWARE

| Male Screw Finish | Thread Size | Dim. A | Male Screw Retainer Kit No. |                           |
|-------------------|-------------|--------|-----------------------------|---------------------------|
|                   |             |        | Individual                  | Bulk Packed*              |
| Yellow Chromate   | 4-40        | .220   | <a href="#">5205980-1</a>   | <a href="#">5205980-3</a> |
|                   |             | .200   | <a href="#">5745136-1</a>   | <a href="#">5745136-2</a> |
|                   | M3 (Metric) | .225   | <a href="#">5207871-1</a>   | -                         |
| Clear Chromate    | 4-40        | .220   | <a href="#">5205980-4</a>   | <a href="#">5205980-5</a> |
|                   |             | .200   | <a href="#">5745136-3</a>   | -                         |

Material and Finish

**Commoning Strip (for HDF-20 Plugs, Size 20 Pin Contacts):** Brass, .004 [.10] thick, tin plated  
**Part Number:** 206918-2 (continuous strip)  
**Male Screw Retainers for Metal-Shell Connectors (HDE and HDP):**  
**Male Screw:** Steel, zinc plated clear or yellow chromate  
**Retaining Clip:** .012 [.31] stainless steel

Notes:  
1. All parts are packaged unassembled.  
2. Each kit is comprised of two male screws and two retaining clips. Male screw retainers are also furnished as part of cable clamp kits.  
3. Male screw retainers mate with female screwlocks, with HDF metal-shell connectors featuring 4-40 threaded inserts and with HD metal-shell board mount connectors featuring 4-40 threaded inserts or female screwlocks.  
4. Retaining clip must be assembled onto connector flanges with threaded hole toward wire side of connector.  
5. All screws have straight slotted heads except where noted.  
6. Retaining clip must be assembled onto connector flanges with notched side of retainer toward mating side of connector.  
7. All part numbers are RoHS compliant.  
\*Each part is individually bulk packed for multiple kit orders.



## Female Screwlocks for Metal-Shell and All-Plastic Connectors (HDE, HDF, HDP)

|                                                                     | Style | Dim. C | Thread Size | Finish          | Individual                | Bulk Packed               |
|---------------------------------------------------------------------|-------|--------|-------------|-----------------|---------------------------|---------------------------|
| HD All-Plastic Right Angle Plugs and Receptacles                    | (A)   | .250   | 4-40        | Yellow Chromate | <a href="#">5207952-1</a> | -                         |
|                                                                     |       |        |             | Clear Chromate  | <a href="#">5207952-3</a> | -                         |
| HDE Metal-Shell or All-Plastic Plugs and Receptacles                | (B)   | .250   | 4-40        | Yellow Chromate | <a href="#">5745563-1</a> | <a href="#">5745563-1</a> |
|                                                                     |       |        |             | Clear Chromate  | <a href="#">5745563-3</a> | <a href="#">5745563-4</a> |
| HDP or HDF Metal-Shell or All-Plastic Plugs and Receptacles         | (B)   | .312   | 4-40        | Yellow Chromate | <a href="#">5205817-1</a> | -                         |
|                                                                     |       |        |             | Clear Chromate  | <a href="#">5205817-3</a> | <a href="#">5205817-4</a> |
|                                                                     |       |        | M3 (Metric) | Clear Chromate  | <a href="#">5207872-3</a> | -                         |
| HD or HDF All-Plastic Plugs and Receptacles with Integral Standoffs | (B)   | .560   | 4-40        | Yellow Chromate | <a href="#">5207719-1</a> | <a href="#">5207719-2</a> |
|                                                                     |       |        |             | Clear Chromate  | <a href="#">5207719-3</a> | -                         |
|                                                                     |       |        | 2-56        | Clear Chromate  | <a href="#">5747223-3</a> | -                         |

### Material and Finish

**All Parts:** Cold rolled steel, zinc plated clear or yellow chromate

Notes:

1. All parts are packaged unassembled.
2. Each female screwlock kit is comprised of two assemblies.
3. One or two flat washers may be required for panel thickness less than .060. Female screwlocks are not recommended for panel thicknesses greater than .060.
4. Female screwlocks with 2-56 thread size are to be used with cable clamps with mounting flanges. Female screwlocks with 4-40 and M3 (Metric) thread sizes can be used with all other cable clamps.
5. Female screwlocks mate with male screw retainers.
6. Short female screwlocks cannot be used with HDF connectors.
7. All part numbers are RoHS compliant.

| Connector Used With                                  | Style     | Dim. C | Thread Size                 | Finish          | Screwlocks                |                                        |
|------------------------------------------------------|-----------|--------|-----------------------------|-----------------|---------------------------|----------------------------------------|
|                                                      |           |        |                             |                 | Individual                | Bulk Packed                            |
| HD All-Plastic Right Angle Plugs and Receptacles     | (A)       | .250   | 4-40                        | Yellow Chromate | <a href="#">5207953-2</a> | -                                      |
|                                                      |           |        |                             | Clear Chromate  | <a href="#">5207953-3</a> | -                                      |
| HDE Metal-Shell or All-Plastic Plugs and Receptacles | (B)       | .312   | 4-40                        | Clear Chromate  | -                         | <a href="#">5205818-3<sup>**</sup></a> |
|                                                      |           |        |                             | Yellow Chromate | <a href="#">5748270-2</a> | <a href="#">5205818-2<sup>**</sup></a> |
|                                                      |           |        | M2.6 <sup>**</sup> (Metric) | Clear Chromate  | <a href="#">5749765-3</a> | -                                      |
|                                                      |           |        | M3 <sup>***</sup> (Metric)  | Clear Chromate  | <a href="#">5747404-3</a> | -                                      |
|                                                      | (Special) | .185   | 4-40                        | Clear Chromate  | <a href="#">5747877-3</a> | -                                      |

Notes:

1. All parts are RoHS compliant.
2. Part No. 5748270-2, dimensions .158.

Each part is individually bulk packed for multiple kit orders.

<sup>\*\*</sup>With captivated star washer. No additional hardware included.

<sup>\*\*</sup>M2.6 is the female thread size. The male thread size is 4-40.

<sup>\*\*\*</sup>M3 is the female thread size. The male thread is 4-40.

| Size | Dim. A | Two Per Package          |
|------|--------|--------------------------|
| 1-4  | .540   | <a href="#">745779-2</a> |

## Material and Finish

### Stainless Steel

Notes:

1. These dimensions must be maintained to assure satisfactory operation of the spring latches.
2. Two-piece spring latches mate with latching blocks.
3. All part numbers are RoHS compliant.

\*Two piece spring latches are individually bulk packed for multiple part orders.

|      | Length: L Screw | Packaging | Screw Style | Part No.                  |
|------|-----------------|-----------|-------------|---------------------------|
| 4-40 | .415            | Unit*     | 1           | <a href="#">5206942-1</a> |

## Material and Finish

**Screw, Washers and Hex Nuts:** Cold rolled steel, zinc plated clear chromate

**Clip:** Stainless steel

\*Two assemblies per package.

# HARDWARE

| Shell Size | Style | Dim A. | Dim B. | Dim. C | Slide Latch Kit No.       | Slide Latch Only         |
|------------|-------|--------|--------|--------|---------------------------|--------------------------|
|            |       |        |        |        | Individual                |                          |
| 2          | II    | 1.725  | .470   | .547   | <a href="#">5745583-1</a> | <a href="#">749027-1</a> |
|            | III   | 1.725  | .470   | .415   | <a href="#">5745583-5</a> | <a href="#">749027-1</a> |
| 3          | II    | 2.265  | .470   | .547   | <a href="#">5745584-1</a> | <a href="#">749996-1</a> |
|            | III   | 2.265  | .470   | .415   | -                         | <a href="#">749996-1</a> |
| 5          | III   | 2.819  | .575   | .415   | -                         | <a href="#">749997-1</a> |

## Material and Finish

**4-40 Screws, Washers and Hex Nuts:** Steel, zinc plated yellow chromate

**2-56 Screws, Washers and Hex Nuts:** Steel, zinc plated clear chromate

**Slide Latch:** Stainless steel

Notes:

1. All parts are packaged unassembled.
2. Each kit is comprised of a slide latch and two screws, flat washers (if required), lock washers and hex nuts. Style I slide latches are also furnished as part of cable clamp kits.
3. Style I slide latches can be used with cable clamps that do not extend beyond the front flange of the connector or on connectors without cable clamps.
4. Style II slide latches can be used with any cable clamp that has the mounting ear configuration.
5. Style III slide latches can be used on connectors without cable clamps or with cable clamps that do not have the mounting ear configuration.
6. Slide latches mate with locking posts.
7. No nuts, washers, or lockwashers.
8. All parts are RoHS compliant.

| Thread Size | Locking Post Finish | Dim. A | Dim. B | Locking Post Kit No.      |                           |
|-------------|---------------------|--------|--------|---------------------------|---------------------------|
|             |                     |        |        | Individual                | Bulk Packed*              |
| 4-40        | Yellow Chromate     | .410   | .110   | <a href="#">5206514-1</a> | <a href="#">5206514-3</a> |
|             | Clear Chromate      | .410   | .110   | <a href="#">5206514-4</a> | -                         |
|             | Yellow Chromate     | .560   | .110   | <a href="#">5206514-6</a> | <a href="#">5206514-7</a> |
| 2-56        | Yellow Chromate     | .615   | .172   | <a href="#">5747242-1</a> | -                         |

## Material and Finish

**All Parts:** Cold rolled steel, zinc plated clear or yellow chromate

\*Each part is individually bulk packed for multiple kit orders

All part numbers are RoHS Compliant

## Latching Blocks with Threaded Holes

| Shell (No. of Contact Pos.) | Dim. A | Dim. B | Panel Thickness | Thread Size | Rear Panel Latching Block Part No. | Front Panel Latching Block Part No. |                          |
|-----------------------------|--------|--------|-----------------|-------------|------------------------------------|-------------------------------------|--------------------------|
|                             |        |        |                 |             | Individual                         | Individual                          | Bulk Packed*             |
|                             | .400   | .220   | .030            | 4-40        | <a href="#">745403-8</a>           | -                                   | -                        |
|                             |        |        |                 | 4-40        | <a href="#">747717-2</a>           | -                                   | -                        |
|                             | .400   | .250   | -               | M3          | -                                  | <a href="#">5745007-1</a>           | -                        |
|                             |        |        |                 |             |                                    | <a href="#">208101-1</a>            | <a href="#">208101-2</a> |
|                             |        |        |                 | 4-40        | -                                  | <a href="#">208101-8</a>            | <a href="#">208101-9</a> |

## Material and Finish

**Latching Blocks:** Zinc

**Pan Head Screws:** Steel, zinc plated

## Latching Blocks with Slot Recess and Thru Hole

| Shell (No. of Contact Pos.) | Dim. A | Dim. B | Panel Thickness | Individual               | Individual               |
|-----------------------------|--------|--------|-----------------|--------------------------|--------------------------|
| 1 thru 4 (9 thru 37)        | .400   | .160   | .090            | <a href="#">747080-2</a> | -                        |
|                             |        | .190   | .060            | <a href="#">745245-2</a> | -                        |
|                             |        | .250   | -               | -                        | <a href="#">745286-2</a> |

## Material and Finish

**Latching Blocks:** Zinc

Notes:

1. Mounting screws and nuts are to be supplied by customer.
2. These latching blocks allow mounting screws to be installed thru the front of the block and to be screwed into the bracket of a right-angle connector, a fixed insert in a connector mounting flange, or a nut behind the connector mounting flange.
3. Latching blocks mate with spring latches.
4. All part numbers are RoHS compliant.

\*Bulk packed for multiple part orders.

\*\*Individual kits contain two  
latching blocks per package



Latching Blocks with Threaded Holes

| Shell (No. of Contact Pos.) | Dim. A | Dim. B | Dim. C | Gasket Part No.           |
|-----------------------------|--------|--------|--------|---------------------------|
| 1 (9)                       | .746   | .984   | 1.220  | <a href="#">5747024-3</a> |
| 2 (15)                      | 1.074  | 1.312  | 1.555  | <a href="#">5747025-3</a> |
| 4 (37)                      | 2.266  | 2.500  | 2.730  | <a href="#">745777-4</a>  |

Material and Finish

Standoff Bushings Material: Aluminum

Keying Plug Material: Polyphenylene oxide

EMI/RFI Gaskets Material and Finish: Brass, .006 thick; bright tin plated

Notes:

- 1. All parts are RoHS compliant.





Resources:

|                             |                     |          |          |
|-----------------------------|---------------------|----------|----------|
| Product Specification:      | Instruction Sheets: |          |          |
| 108-40032                   | 408-6621            | 408-7555 | 408-9318 |
| Application Specifications: | 408-9544            | 408-7837 | 408-6551 |
| 114-40002                   | 408-9544            | 408-6609 | 408-7785 |
| 114-40003                   | 408-7837            | 408-6769 | 408-9131 |
| 114-1000                    | 408-6658            | 408-9315 | 408-9128 |
| 114-40030                   |                     |          |          |

Connect With Us

We make it easy to connect with our experts and are ready to provide all the support you need.  
Visit [te.com/support](https://te.com/support) to chat with a Product Information Specialist.

TE Connectivity  
DIGITAL DATA NETWORKS

[te.com](https://te.com)

AMP, AMPLIMITE, TE, TE Connectivity, TE connectivity (logo), and EVERY CONNECTION COUNTS are trademarks owned or licensed by the TE Connectivity plc family of companies. Other product names, logos, and company names mentioned herein may be trademarks of their respective owners.

The information given herein, including drawings, illustrations and schematics which are intended for illustration purposes only, is believed to be reliable. However, TE Connectivity makes no warranties as to its accuracy or completeness and disclaims any liability in connection with its use. TE Connectivity's obligations shall only be as set forth in TE Connectivity's Standard Terms and Conditions of Sale for this product and in no case will TE Connectivity be liable for any incidental, indirect or consequential damages arising out of the sale, resale, use or misuse of the product. Users of TE Connectivity products should make their own evaluation to determine the suitability of each such product for the specific application.

©2026 TE Connectivity. All Rights Reserved.

01-26