



CATALOG

Homac®

Underground distribution

CATALOG

Underground distribution

HOMAC



**Thomas & Betts is now ABB
Installation Products, but our long
legacy of quality products and
innovation remains the same. From
connectors that help wire buildings
on Earth to cable ties that help put
machines in space, we continue to
work every day to make, market,
design and sell products that
provide a smarter, safer and more
reliable flow of electricity, from
source to socket.**

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Stud-mount transformer connectors

Aluminum universal quick-disconnect transformer connectors



EZB 6500 SL



EZC 6500 SL

The EZ mount connector is used on padmount distribution transformers that have a $\frac{5}{8}$ " or 1" secondary bushing stud – one mounting hole accepts both sizes of studs without repositioning the connector.

- Quick-disconnect connectors are easy to install or remove
- Dual-rated to accept aluminum or copper conductors
- Provides a wide cable range
- Clear slide-on PVC insulating cover on EZC series enables safe and time-saving installations and disconnects
- Meets or exceeds ANSI C119.4 specifications
- RUS Accepted

EZC series insulated in-line bar

| Cat. no. | Cable range (AWG or kcmil) | Outlets | Length (in.) | Stud size (in.) |
|--------------|----------------------------|---------|------------------|-------------------|
| EZC 4350 SL | #12–350, S/L #14–#2 | 4 | 6 $\frac{3}{4}$ | $\frac{5}{8}$ & 1 |
| EZC 6350 SL | | 6 | 8 $\frac{3}{4}$ | |
| EZC 8350 SL | | 8 | 10 $\frac{3}{4}$ | |
| EZC 4500 SL | #6–500, S/L #14–#2 | 4 | 6 $\frac{3}{4}$ | |
| EZC 6500 SL | | 6 | 8 $\frac{3}{4}$ | |
| EZC 8500 SL | | 8 | 10 $\frac{3}{4}$ | |
| EZC 8750 SL* | 1/0–750, S/L #14–#2 | 8 | 12 $\frac{7}{8}$ | |

* Two set-screws per outlet.

Note: For oxide-inhibitor option, add "-C" suffix to the catalog number.

For additional sizes, please consult your ABB representative.

For a single-phase kit containing one uninsulated and two insulated connectors, add "-1K" suffix to the catalog number.

For a three-phase kit containing one uninsulated and three insulated connectors, add "-3K" suffix to the catalog number.

EZB series uninsulated in-line bar

| Cat. no. | Cable range (AWG or kcmil) | Outlets | Length (in.) | Stud size (in.) |
|--------------|----------------------------|---------|------------------|-------------------|
| EZB 4350 SL | #12–350, S/L #14–#2 | 4 | 6 $\frac{3}{4}$ | $\frac{5}{8}$ & 1 |
| EZB 6350 SL | | 6 | 8 $\frac{3}{4}$ | |
| EZB 8350 SL | | 8 | 10 $\frac{3}{4}$ | |
| EZB 4500 SL | #6–500, S/L #14–#2 | 4 | 6 $\frac{3}{4}$ | |
| EZB 6500 SL | | 6 | 8 $\frac{3}{4}$ | |
| EZB 8500 SL | | 8 | 10 $\frac{3}{4}$ | |
| EZB 8750 SL* | 1/0–750, S/L #14–#2 | 8 | 12 $\frac{7}{8}$ | |

* Two set-screws per outlet.

Note: For oxide-inhibitor option, add "-C" suffix to the catalog number.

For additional sizes, please consult your ABB representative.

01 For EZ Torque® shear-head screws supplied in all outlets, add "-TS" suffix to the catalog number. Shear-head screw is available for both the stud locking screws as well as all 350 cable port screws.



01

Stud-mount transformer connectors

Aluminum transformer connectors – CSW and CSS series



CSS 6500



CSW 4350

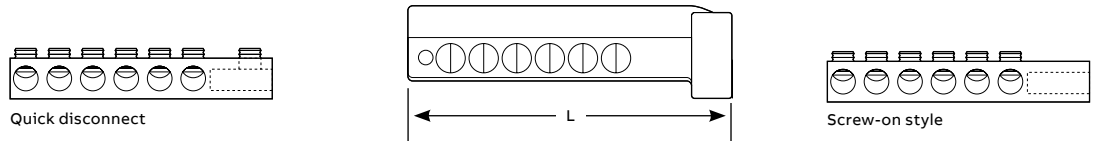
Choose from quick-disconnect or screw-on transformer connectors with clear PVC insulating covers.

- Clear PVC insulating boot enables safe and time-saving installations and disconnects, and it features self-sealing wrench outlets and self-adjusting cable outlets
- Disconnectable — easy to install or remove
- Dual-rated to accept aluminum or copper conductors
- Provides a wide cable range
- Meets or exceeds ANSI C119.4 specifications
- RUS Accepted

Aluminum transformer connectors

| Quick disconnect cat. no. | Screw-on style cat. no. | Stud size (in.) | Outlets | Insulator length (in.) | Cable range (AWG or kcmil) |
|---------------------------|-------------------------|-----------------|---------|------------------------|----------------------------|
| CSW 4350 | CSS 4350 | 5/8 | 4 | 5 11/16 | #12–350 |
| CSW 6350 | CSS 6350 | 5/8 | 6 | 7 1/16 | |
| CSW 8350 | CSS 8350 | 5/8 | 8 | 9 1/16 | |
| CSW 4350-1 | CSS 4350-1 | 1 | 4 | 11 1/16 | |
| CSW 6350-1 | CSS 6350-1 | 1 | 6 | 5 1/16 | |
| CSW 8350-1 | CSS 8350-1 | 1 | 8 | 7 1/16 | |
| CSW 4500-58 | CSS 4500-58 | 5/8 | 4 | 9 1/16 | #2–500 |
| CSW 6500-58 | CSS 6500-58 | 5/8 | 6 | 11 1/16 | |
| CSW 8500-58 | CSS 8500-58 | 5/8 | 8 | 5 3/16 | |
| CSW 4500 | CSS 4500 | 1 | 4 | 7 3/16 | |
| CSW 6500 | CSS 6500 | 1 | 6 | 9 3/16 | |
| CSW 8500 | CSS 8500 | 1 | 8 | 11 3/16 | |

Diagrams



Note: For oxide-inhibitor option, add “-C” suffix to the catalog number.
For streetlight-outlet option, add “-SL” suffix to the catalog number.

01 For EZ Torque® shear-head screws supplied in all outlets, add “-TS” suffix to the catalog number. Shear-head screw is available for both the stud locking screws as well as all 350 cable port screws.



01

Stud-mount transformer connectors

Aluminum quick-disconnect transformer connectors – ABW in-line bar series



ABW 8500

High-strength aluminum alloy maintains constant bolting pressure on conductors.

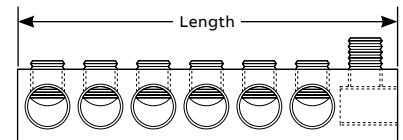
- Quick disconnectability for easy removal from transformer secondary studs
- Dual-rated to accept aluminum or copper conductors
- Provides a wide cable range
- Ball-bottom screws ensure maximum conductor contact pressure and break up interstrand oxides
- Meets or exceeds ANSI C119.4 specifications
- RUS Accepted

ABW series – In-line bar

| Cat. no. | Outlets | Length (in.) | Boot no. | Cable range (AWG or kcmil) | Stud size (in.) |
|------------|---------|-------------------|----------|----------------------------|-----------------|
| ABW 240 | 2 | 3 $\frac{3}{8}$ | SB 17 | #6–250 | $\frac{5}{8}$ |
| ABW 340 | 3 | 3 $\frac{3}{8}$ | SB 17 | | |
| ABW 440 | 4 | 4 $\frac{11}{16}$ | SB 17 | | |
| ABW 540 | 5 | 5 $\frac{1}{2}$ | SB 11 | | |
| ABW 640 | 6 | 6 $\frac{1}{4}$ | SB 11 | | |
| ABW 740 | 7 | 7 | SB 11 | | |
| ABW 840 | 8 | 7 $\frac{13}{16}$ | SB 14 | | |
| ABW 2350 | 2 | 3 $\frac{1}{2}$ | SB 17 | #12–350 | $\frac{5}{8}$ |
| ABW 3350 | 3 | 4 $\frac{1}{2}$ | SB 17 | | $\frac{5}{8}$ |
| ABW 4350 | 4 | 5 $\frac{1}{2}$ | SB 17 | | $\frac{5}{8}$ |
| ABW 4350-1 | 4 | 6 $\frac{9}{16}$ | SB 17 | | 1 |
| ABW 5350 | 5 | 6 $\frac{1}{2}$ | SB 11 | | $\frac{5}{8}$ |
| ABW 6350 | 6 | 7 $\frac{1}{2}$ | SB 11 | | $\frac{5}{8}$ |
| ABW 6350-1 | 6 | 8 $\frac{9}{16}$ | SB 11 | | 1 |
| ABW 7350 | 7 | 8 $\frac{1}{2}$ | SB 14 | | $\frac{5}{8}$ |
| ABW 8350 | 8 | 9 $\frac{1}{2}$ | SB 2160 | | $\frac{5}{8}$ |
| ABW 8350-1 | 8 | 10 $\frac{9}{16}$ | SB 2160 | | 1 |

| Cat. no. | Outlets | Length (in.) | Boot no. | Cable range (AWG or kcmil) | Stud size (in.) |
|----------|---------|--------------------|------------|----------------------------|-----------------|
| ABW 2500 | 2 | 4 $\frac{1}{16}$ | SB 2147 | #6–500 | 1 |
| ABW 3500 | 3 | 5 $\frac{1}{16}$ | SB 2147 | | |
| ABW 4500 | 4 | 6 $\frac{1}{16}$ | SB 2163-38 | | |
| ABW 5500 | 5 | 7 $\frac{1}{16}$ | SB 2163-7 | | |
| ABW 6500 | 6 | 8 $\frac{1}{16}$ | SB 2157 | | |
| ABW 7500 | 7 | 9 $\frac{1}{16}$ | SB 2157 | | |
| ABW 8500 | 8 | 10 $\frac{1}{16}$ | SB 2160 | | |
| ABW 2750 | 2 | 5 $\frac{1}{16}$ | SB 2147 | 1/0–750 | 1 |
| ABW 3750 | 3 | 6 $\frac{7}{16}$ | SB 2163-38 | | |
| ABW 4750 | 4 | 7 $\frac{3}{4}$ | SB 2120 | | |
| ABW 5750 | 5 | 9 $\frac{1}{8}$ | SB 2157 | | |
| ABW 6750 | 6 | 10 $\frac{1}{2}$ | SB 2160 | | |
| ABW 7750 | 7 | 11 $\frac{13}{16}$ | SB 2160 | | |
| ABW 8750 | 8 | 13 $\frac{3}{8}$ | SB 2163-10 | | |

Diagram



Note: For oxide-inhibitor option, add “-C” suffix to the catalog number.

For streetlight-outlet option, add “-SL” suffix to the catalog number.

For insulating boots, see page 34.

For special applications and stud sizes, please consult your ABB representative.

01 For EZ Torque® shear-head screws supplied in all outlets, add “-TS” suffix to the catalog number. Shear-head screw is available for both the stud locking screws as well as all 350 cable port screws.



01

Stud-mount transformer connectors

Aluminum quick-disconnect transformer connectors – ABW double-row bar series



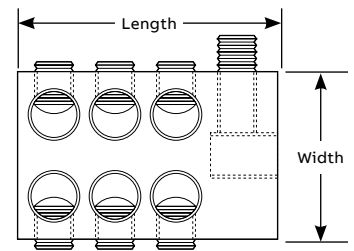
ABW 350-33

- Dual-rated for aluminum or copper conductors.
- High-strength aluminum alloy maintains constant bolting pressure on conductors
 - Quick disconnectability for easy removal from transformer secondary studs
 - Ball-bottom screws ensure maximum conductor contact pressure and break up interstrand oxides
 - Meets or exceeds ANSI C119.4 specifications
 - RUS Accepted

ABW series – Double-row bar

| Cat. no. | Outlets | Length (in.) | Width (in.) | Boot no. | Cable range (AWG or kcmil) | Stud size (in.) |
|------------|---------|--------------|-------------|------------|----------------------------|-----------------|
| ABW 40-22 | 4 | 3½ | 2½ | SB 16 | #6-250 | 5/8 |
| ABW 40-33 | 6 | 4¼ | | SB 16 | | |
| ABW 40-44 | 8 | 5¼ | | SB 16 | | |
| ABW 350-22 | 4 | 4 | 2¾ | SB 16 | #12-350 | 1 |
| ABW 350-33 | 6 | 4⅞ | | SB 16 | | |
| ABW 350-44 | 8 | 5⅞ | | SB 2163-38 | | |
| ABW 500-22 | 4 | 4⅞ | 2¾ | SB 2151 | #6-500 | 1 |
| ABW 500-33 | 6 | 5⅞ | | SB 2158 | | |
| ABW 500-44 | 8 | 6⅞ | | SB 2158 | | |
| ABW 750-22 | 4 | 4¾ | 2¾ | SB 2158 | 1/0-750 | 1 |
| ABW 750-33 | 6 | 6⅞ | | SB 2158 | | |
| ABW 750-44 | 8 | 7⅞ | | SB 2163-7 | | |

Diagram



Note: For oxide-inhibitor option, add "-C" suffix to the catalog number.
 For streetlight-outlet option, add "-SL" suffix to the catalog number.
 For insulating boots, see page 34.
 For special applications and stud sizes, please consult your ABB representative.

01 For EZ Torque® shear-head screws supplied in all outlets, add "-TS" suffix to the catalog number. Shear-head screw is available for both the stud locking screws as well as all 350 cable port screws.



01

Stud-mount transformer connectors

Aluminum screw-on transformer connectors – ABS in-line bar series



Disconnectability makes it easy to remove from transformer secondary threaded studs.

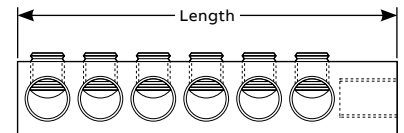
- High-strength aluminum alloy maintains constant bolting pressure on conductors
- Dual-rated to accept aluminum or copper conductors
- Ball-bottom screws ensure maximum conductor contact pressure and break up interstrand oxides
- Meets or exceeds ANSI C119.4 specifications
- RUS Accepted

ABS series – Single-line bar

| Cat. no. | Boot no. | Stud size (in.) | Outlets | Length (in.) | Cable range (AWG or kcmil) |
|------------|--------------------|-----------------|---------|--------------|----------------------------|
| ABS 240 | Contact ABB Rep | 5/8 | 2 | 2 7/8 | #6–250 |
| ABS 340 | Contact ABB Rep | 5/8 | 3 | 3 5/8 | |
| ABS 440 | SB 17 | 5/8 | 4 | 4 7/16 | |
| ABS 540 | SB 17 | 5/8 | 5 | 5 1/4 | |
| ABS 640 | SB 11 | 5/8 | 6 | 6 | |
| ABS 740 | SB 11 | 5/8 | 7 | 6 13/16 | |
| ABS 840 | SB 14 | 5/8 | 8 | 7 9/16 | |
| ABS 2350 | Contact ABB Rep | 5/8 | 2 | 3 1/4 | #12–350 |
| ABS 3350 | SB 17 | 5/8 | 3 | 4 1/4 | |
| ABS 4350 | SB 17 | 5/8 | 4 | 5 1/4 | |
| ABS 4350-1 | SB 17 | 1 | 4 | 5 1/4 | |
| ABS 5350 | SB 17 | 5/8 | 5 | 6 1/4 | |
| ABS 6350 | SB 11 | 5/8 | 6 | 7 1/4 | |
| ABS 6350-1 | SB 11 | 1 | 6 | 7 1/4 | |
| ABS 7350 | SB 11 | 5/8 | 7 | 8 1/4 | |
| ABS 8350 | SB 14 | 5/8 | 8 | 9 1/4 | |
| ABS 8350-1 | SB 14 | 1 | 8 | 9 1/4 | |

| Cat. no. | Boot no. | Stud size (in.) | Outlets | Length (in.) | Cable range (AWG or kcmil) |
|----------|------------|-----------------|---------|--------------|----------------------------|
| ABS 2500 | SB 17 | 1 | 2 | 3 13/16 | #6–500 |
| ABS 3500 | SB 17 | 1 | 3 | 4 13/16 | |
| ABS 4500 | SB 17 | 1 | 4 | 5 13/16 | |
| ABS 5500 | SB 2120 | 1 | 5 | 6 13/16 | |
| ABS 6500 | SB 2157 | 1 | 6 | 7 13/16 | |
| ABS 7500 | SB 2157 | 1 | 7 | 8 13/16 | |
| ABS 8500 | SB 2160 | 1 | 8 | 9 13/16 | |
| ABS 2750 | SB 17 | 1 | 2 | 4 1 1/16 | 1/0–750 |
| ABS 3750 | SB 17 | 1 | 3 | 6 | |
| ABS 4750 | SB 2120 | 1 | 4 | 7 3/8 | |
| ABS 5750 | SB 2157 | 1 | 5 | 8 1 1/16 | |
| ABS 6750 | SB 2160 | 1 | 6 | 10 1/16 | |
| ABS 7750 | SB 2160 | 1 | 7 | 11 3/8 | |
| ABS 8750 | SB 2163-10 | 1 | 8 | 12 3/4 | |

Diagram



Note: For oxide-inhibitor option, add “-C” suffix to the catalog number.
 For streetlight-outlet option, add “-SL” suffix to the catalog number.
 For insulating boots, see page 34.
 For special applications and stud sizes, please consult your ABB representative.

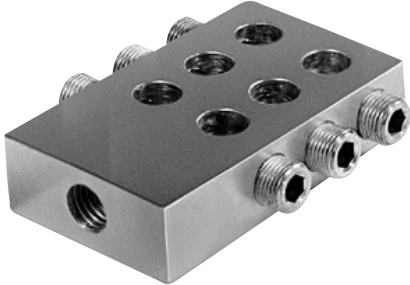
01 For EZ Torque® shear-head screws supplied in all outlets, add “-TS” suffix to the catalog number. Shear-head screw is available for all 350 cable port screws.



01

Stud-mount transformer connectors

Aluminum screw-on transformer connectors – ABS double-row bar series

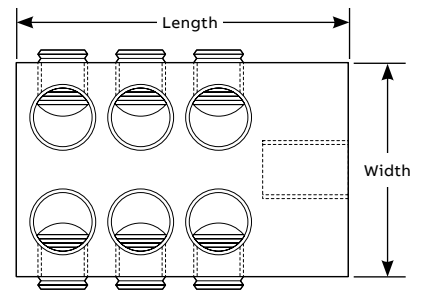


- Ball-bottom screws ensure maximum conductor contact pressure and break up interstrand oxides.
- High-strength aluminum alloy maintains constant bolting pressure on conductors
 - Dual-rated to accept aluminum or copper conductors
 - Meets or exceeds ANSI C119.4 specifications
 - RUS Accepted

ABS series – Double-line bar

| Cat. no. | Boot no. | Stud size (in.) | Outlets | Length (in.) | Cable range (AWG or kcmil) |
|------------|-----------|-----------------|---------|------------------|----------------------------|
| ABS 40-22 | SB 16 | $\frac{5}{8}$ | 4 | $3\frac{1}{16}$ | #6–250 |
| ABS 40-33 | SB 16 | | 6 | $3\frac{7}{8}$ | |
| ABS 40-44 | SB 16 | | 8 | $4\frac{11}{16}$ | |
| ABS 350-22 | SB 16 | $\frac{5}{8}$ | 4 | $3\frac{5}{8}$ | #12–350 |
| ABS 350-33 | SB 16 | | 6 | $4\frac{1}{2}$ | |
| ABS 350-44 | SB 16 | | 8 | $5\frac{7}{16}$ | |
| ABS 500-22 | SB 2151 | 1 | 4 | $3\frac{15}{16}$ | #6–500 |
| ABS 500-33 | SB 2151 | | 6 | $4\frac{15}{16}$ | |
| ABS 500-44 | SB 2163-6 | | 8 | $5\frac{15}{16}$ | |
| ABS 750-22 | SB 2151 | $\frac{1}{2}$ | 4 | $4\frac{1}{4}$ | 1/0–750 |
| ABS 750-33 | SB 2163-6 | | 6 | $5\frac{9}{16}$ | |
| ABS 750-44 | SB 2163-6 | | 8 | $6\frac{15}{16}$ | |

Diagram



Notes: For oxide-inhibitor option, add “-C” suffix to the catalog number.
 For streetlight-outlet option, add “-SL” suffix to the catalog number.
 For insulating boots, see page 34.
 For special applications and stud sizes, please consult your ABB representative.

01 For EZ Torque® shear-head screws supplied in all outlets, add “-TS” suffix to the catalog number.



01

Stud-mount transformer connectors

Aluminum universal quick-disconnect transformer connectors – RAU series



RAU 6500

RAU series connectors

Dual-rated solutions.

- Space-saving compact size also reduces cantilever stress on bushings
- Universal connector fits both 5/8" and 1" studs.
- RUS Accepted

| Diagrams | Cat. no. | Outlets | Insulator length (in.) | Cable range (AWG or kcmil) |
|----------|----------|---------|------------------------|----------------------------|
| | RAU 4500 | 4 | 5½ | #6–500 |
| | RAU 6500 | 6 | 6⅞ | |
| | RAU 8500 | 8 | 8⅞ | |

Note: For oxide-inhibitor option, add "-C" suffix to the catalog number. For streetlight-outlet option, add "-SL" suffix to the catalog number. For see-through insulator option, add "w/cover" suffix to the catalog number.

Aluminum quick-disconnect transformer connectors – LRTR series



LRTR 8

LRTR series connectors

Get left-hand or right-hand installation capability.

- Disconnectable – easy to install or remove and fully insulated with EPDM rubber
- Dual-rated to accept aluminum or copper conductors

| Diagrams | Cat. no. | Outlets | L (in.) | Wire size (AWG or kcmil) | Stud size (in.) |
|----------|----------|---------|---------|--------------------------|-----------------|
| | LRTR 4 | 4 | 7 | #12–350 | 5/8 |
| | LRTR 6 | 6 | 9 | | |
| | LRTR 8 | 8 | 11 | | |
| | LRTR 4W* | 4 | 7 | | |
| | LRTR 6W* | 6 | 9 | | |
| | LRTR 8W* | 8 | 11 | | |

* Watertight cable and screw ports. Note: For oxide-inhibitor option, add "-C" suffix to the catalog number.

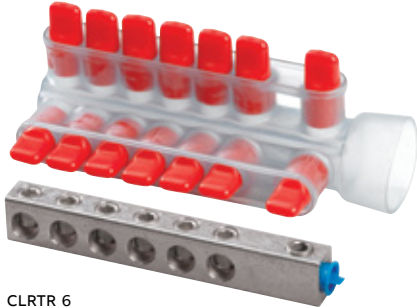
01 For EZ Torque® shear-head screws supplied in all outlets, add "-TS" suffix to the catalog number. Shear-head screw is available for both the stud locking screws as well as all 350 cable port screws.



01

Stud-mount transformer connectors

Aluminum quick-disconnect transformer connectors – CLRTR series



CLRTR 6

CLRTR series connectors

| Cat. no. | Outlets | Stud size (in.) | Conductor range (AWG or kcmil) |
|-------------|---------|-----------------|--------------------------------|
| CLRTR 4 | 4 | 5/8 | #12–350 |
| CLRTR 6 | 6 | | |
| CLRTR 45-58 | 4 | 1 | #6–500 |
| CLRTR 65-58 | 6 | | |

Note: For oxide-inhibitor option, add “-C” suffix to the catalog number. For streetlight-outlet option, add “-SL” suffix to the catalog number.

01 For EZ Torque® shear-head screws supplied in all outlets, add “-TS” suffix to the catalog number. Shear-head screw is available for both the stud locking screws as well as all 350 cable port screws.



01

Aluminum quick-disconnect transformer connectors – ABD series



ABD 8350 SL

ABD series connectors

| Cat. no. | Outlets | Stud size (in.) | Conductor range (AWG or kcmil) |
|---------------|---------|-----------------|--------------------------------|
| ABD 4350 SL | 4 | 5/8 | #12–350 |
| ABD 6350 SL | 6 | | |
| ABD 8350 SL | 8 | | |
| ABD 4350-1 SL | 4 | 1 | #12–350 |
| ABD 6350-1 SL | 6 | | |
| ABD 8350-1 SL | 8 | | |

Double-row configuration. Note: For oxide-inhibitor option, add “-C” suffix to the catalog number.

02 For EZ Torque® shear-head screws supplied in all outlets, add “-TS” suffix to the catalog number.



02

See more of what you're doing.

- Clear PVC enables safe and time-saving installations and disconnects – and provides insulation
- Versatile design enables right- or left-hand installation
- Dual-rated to accept aluminum or copper conductors
- RUS Accepted

Dual-rated and street light ready.

- #14 to #4 AWG street light outlet provides added versatility to make an additional connection
- Meets or exceeds ANSI C119.4 specifications
- RUS Accepted

Stud-mount transformer connectors

AD series adapter



AD 58

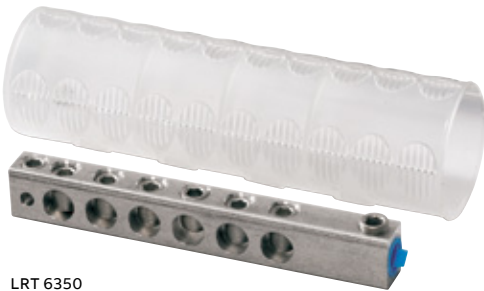
The adapter made for the ABD series.

- 5/8" or 1" stud sizes
- Compatible with ABD series (see previous page)

AD series adapter

| Cat. no. | Stud size (in.) |
|----------|-----------------|
| AD 58 | 5/8 |
| AD 1 | 1 |

Aluminum quick-disconnect transformer connectors – LRT series



LRT 6350

Clearly the best deadfront connector.

- Clear, see-through PVC insulator enables safe and time-saving installations and disconnects
- Insulates two, four, six or eight outlet connectors
- Versatile design enables right- or left-hand installation
- Integral wrench outlet covers mean no lost parts
- Dual-rated to accept aluminum or copper conductors
- Meets or exceeds ANSI C119.4 specifications
- RUS Accepted

Aluminum quick-disconnect transformer connectors

| Cat. no. | Outlets | Insulator length (in.) | Wire range (AWG or kcmil) |
|----------|---------|------------------------|---------------------------|
| LRT 2350 | 2 | 7¼ | #12–350 |
| LRT 4350 | 4 | | |
| LRT 6350 | 6 | 10¼ | |
| LRT 8350 | 8 | | |

Note: For oxide-inhibitor option, add “-C” suffix to the catalog number.

01 For EZ Torque® shear-head screws supplied in all outlets, add “-TS” suffix to the catalog number. Shear-head screw is available for both the stud locking screws as well as all 350 cable port screws.



01

Stud-mount transformer connectors

Aluminum universal quick-disconnect transformer connectors –
ZVW-EZSL and Z-EZSL series



ZVW 4023 EZSL



Z 4023 EZSL

The EZ mount connector is used on padmount distribution transformers that have a $\frac{5}{8}$ " or 1" secondary bushing stud – one mounting hole accepts both sizes of studs without repositioning the connector.

- Tri-contact design distributes force more evenly than existing stud mounting configurations or other multi-stud designs, resulting in higher, more uniform contact force on the threads
- Design also eliminates the chance of movement
- Dual stud locking screws fully engage on either stud size, maximizing the engagement force on the stud
- Compact Zeebar® design halves cantilever stress and doubles cable capacity
- Easy to install, because $\frac{5}{8}$ " hex wrench does it all – including the street light outlet
- Truly universal – both series fit $\frac{5}{8}$ " or 1" studs
- Made from aluminum for high strength and high conductivity
- Quick-disconnect connectors are easy to install or remove
- #14 to #2 AWG street light outlet provides added versatility to make an additional connection
- Meets or exceeds ANSI C119.4 specifications
- RUS Accepted

ZVW-EZSL series with clear PVC lock-on insulating cover

| Cat. no. | Outlets | Conductor range (AWG or kcmil) | Stud size (in.) |
|---------------|---------|--------------------------------|-------------------|
| ZVW 4023 EZSL | 6 | #12–350 | $\frac{5}{8}$ & 1 |
| ZVW 5033 EZSL | 8 | | |
| ZVW 4025 EZSL | 6 | #6–500 | |
| ZVW 5035 EZSL | 8 | | |

Note: For oxide-inhibitor option, add "-C" suffix to the catalog number.

For a kit containing one uninsulated and two insulated connectors, add "-K" suffix to the catalog number.

Z-EZSL series with optional clear PVC drop-on insulating cover

| Cat. no. | Outlets | Boot no. | Conductor range (AWG or kcmil) | Stud size (in.) |
|-------------|---------|-----------|--------------------------------|-------------------|
| Z 4023 EZSL | 6 | EZ 5912-3 | #12–350 | $\frac{5}{8}$ & 1 |
| Z 5033 EZSL | 8 | EZ 5912-7 | | |
| Z 4025 EZSL | 6 | EZ 5912-3 | #6–500 | |
| Z 5035 EZSL | 8 | EZ 5912-7 | | |

Note: For oxide-inhibitor option, add "-C" suffix to the catalog number. A cover can also be installed on the Z-EZSL series. For details, please consult your ABB representative.

01 For EZ Torque® shear-head screws supplied in all outlets, add "-TS" suffix to the catalog number. Shear-head screw is available for both the stud locking screws as well as all 350 cable port screws.



01

Stud-mount transformer connectors

Aluminum universal quick-disconnect transformer connectors –
ZVW-USL, ZVW-SL and ZVW-1 SL series



ZVW 4045 USL



ZVW 3053-58 SL



ZVW 5033-1 SL

See-through, lock-on insulated boots make them the clear choice for secondary transformer connectors.

- Compact Zeebar® design halves cantilever stress and doubles cable capacity
- Easy to install with all screws on top
- A $\frac{5}{16}$ " hex wrench does it all – including the street light outlet
- ZVW-USL series fits both $\frac{5}{8}$ " or 1" studs; series are also available each for $\frac{5}{8}$ " and 1" studs
- Dual-rated to accept copper or aluminum conductors
- Ball-bottom screws ensure maximum conductor contact pressure and break up interstrand oxides
- Meets or exceeds ANSI C119.4 specifications
- RUS Accepted

ZVW-USL series

| Cat. no. | Outlets | L (in.) | Conductor range (AWG or kcmil) | Stud size (in.) |
|--------------|---------|------------------|--------------------------------|-------------------|
| ZVW 3033 USL | 6 | $5\frac{3}{8}$ | #12–350 | $\frac{5}{8}$ & 1 |
| ZVW 4043 USL | 8 | $6\frac{3}{8}$ | | |
| ZVW 3035 USL | 6 | $5\frac{11}{16}$ | #6–500 | |
| ZVW 4045 USL | 8 | $6\frac{13}{16}$ | | |
| ZVW 3037 USL | 6 | $6\frac{3}{8}$ | 1/0–750 | |
| ZVW 4047 USL | 8 | $7\frac{5}{8}$ | | |

Note: For oxide-inhibitor option, add "-C" suffix to the catalog number. For a kit containing one uninsulated and two insulated connectors, add "-K" suffix to the catalog number.

ZVW-SL series

| Cat. no. | Outlets | L (in.) | Conductor range (AWG or kcmil) | Stud size (in.) |
|----------------|---------|------------------|--------------------------------|-----------------|
| ZVW 2044 SL | 6 | $3\frac{15}{16}$ | #12–250 | $\frac{5}{8}$ |
| ZVW 3054 SL | 8 | $4\frac{3}{4}$ | | |
| ZVW 4064 SL | 10 | 5 | | |
| ZVW 2043-58 SL | 6 | $4\frac{3}{8}$ | #12–350 | |
| ZVW 3053-58 SL | 8 | $5\frac{3}{8}$ | | |

Note: For oxide-inhibitor option, add "-C" suffix to the catalog number. For a kit containing one uninsulated and two insulated connectors, add "-K" suffix to the catalog number.

ZVW-1 SL series

| Cat. no. | Outlets | L (in.) | Conductor range (AWG or kcmil) | Stud size (in.) |
|---------------|---------|----------------|--------------------------------|-----------------|
| ZVW 4023-1 SL | 6 | $4\frac{3}{4}$ | #12–350 | 1 |
| ZVW 5033-1 SL | 8 | $5\frac{3}{4}$ | | |
| ZVW 4025-1 SL | 6 | $5\frac{1}{8}$ | #6–500 | |
| ZVW 5035-1 SL | 8 | $6\frac{1}{4}$ | | |

Note: For oxide-inhibitor option, add "-C" suffix to the catalog number. For a kit containing one uninsulated and two insulated connectors, add "-K" suffix to the catalog number.

01 For EZ Torque® shear-head screws supplied in all outlets, add "-TS" suffix to the catalog number. Shear-head screw is available for both the stud locking screws as well as all 350 cable port screws.



01

Stud-mount transformer connectors

Aluminum universal quick-disconnect transformer connectors –
Z-USL, Z-SL and Z-1 SL series



Z 4045 USL



Z 2043-58 SL



Z 5033-1 SL

Compact secondary transformer connectors with a street light outlet.

- Compact Zeebar® design halves cantilever stress and doubles cable capacity
- Easy to install with all screws on top
- A $\frac{5}{16}$ " hex wrench does it all – including the street light outlet
- Z-USL series fits both $\frac{5}{8}$ " or 1" studs; series are also available each for $\frac{5}{8}$ " and 1" studs
- Dual-rated to accept copper or aluminum conductors
- Ball-bottom screws ensure maximum conductor contact pressure and break up interstrand oxides
- Meets or exceeds ANSI C119.4 specifications
- RUS Accepted

Z-USL series

| Cat. no. | Outlets | L (in.) | H (in.) | Conductor range (AWG or kcmil) | Stud size (in.) |
|------------|---------|------------------|----------------|--------------------------------|-------------------|
| Z 3033 USL | 6 | $5\frac{3}{8}$ | $2\frac{7}{8}$ | #12–350 | $\frac{5}{8}$ & 1 |
| Z 4043 USL | 8 | $6\frac{3}{8}$ | | | |
| Z 3035 USL | 6 | $5\frac{11}{16}$ | | #6–500 | |
| Z 4045 USL | 8 | $6\frac{13}{16}$ | | | |
| Z 3037 USL | 6 | $6\frac{1}{16}$ | $3\frac{1}{8}$ | 1/0–750 | |
| Z 4047 USL | 8 | $7\frac{5}{16}$ | | | |

Note: For oxide-inhibitor option, add "-C" suffix to the catalog number. For insulating boot, please consult your ABB representative.

Z-SL series

| Cat. no. | Outlets | L (in.) | H (in.) | Conductor range (AWG or kcmil) | Stud size (in.) |
|--------------|---------|------------------|------------------|--------------------------------|-----------------|
| Z 2044 SL | 6 | $3\frac{15}{16}$ | $1\frac{15}{16}$ | #12–4/0 | $\frac{5}{8}$ |
| Z 3054 SL | 8 | $4\frac{3}{4}$ | | | |
| Z 4064 SL | 10 | 5 | | | |
| Z 2043-58 SL | 6 | $4\frac{1}{4}$ | $2\frac{3}{8}$ | #12–350 | |
| Z 3053-58 SL | 8 | $5\frac{1}{4}$ | | | |

Note: For oxide-inhibitor option, add "-C" suffix to the catalog number. For insulating boot, please consult your ABB representative.

Z-1 SL series

| Cat. no. | Outlets | L (in.) | H (in.) | Conductor range (AWG or kcmil) | Stud size (in.) |
|-------------|---------|----------------|----------------|--------------------------------|-----------------|
| Z 4023-1 SL | 6 | $4\frac{3}{4}$ | $2\frac{7}{8}$ | #12–350 | 1 |
| Z 5033-1 SL | 8 | $5\frac{3}{4}$ | | | |
| Z 4025-1 SL | 6 | $5\frac{1}{8}$ | | #6–500 | |
| Z 5035-1 SL | 8 | $6\frac{1}{4}$ | | | |

Note: For oxide-inhibitor option, add "-C" suffix to the catalog number. For insulating boot, please consult your ABB representative.

01 For EZ Torque® shear-head screws supplied in all outlets, add "-TS" suffix to the catalog number. Shear-head screw is available for both the stud locking screws as well as all 350 cable port screws.



01

Stud-mount transformer connectors

Aluminum universal quick-disconnect transformer connectors – LRT-UW, LRT-UX and LRT-U series



LRT 44 UW



LRT 44 UX



LRT 33 U

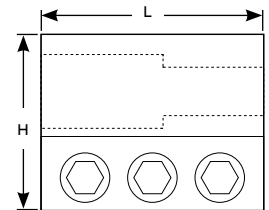
Compact design halves cantilever stress and doubles cable capacity, lessening the occurrence of leaky bushings.

- LRT-UW Series features fully insulated transformer connector to protect connections
- LRT-UX Series features clear deadfront insulator for safe and time-saving installations and disconnects; locks in place by raised set screws or installation of the first conductor
- EPDM rubber cable adapters accommodate #12 solid to 250 kcmil conductors
- RUS Accepted

Aluminum universal quick-disconnect transformer connectors

| Cat. no. | Cable range (AWG or kcmil) | Outlets | Stud size (in.) | L (in.) | H (in.) |
|---|----------------------------|---------|-----------------|---------|---------|
| LRT-UW series – Fully insulated with Flood-Seal® rockets | | | | | |
| LRT 33 UW | #12–350 | 6 | 5/8 & 1 | 3 | 2 1/2 |
| LRT 44 UW | | 8 | | 4 | |
| LRT-UX series – Fully insulated | | | | | |
| LRT 33 UX | #12–350 | 6 | 5/8 & 1 | 4 | 4 3/8 |
| LRT 44 UX | | 8 | | | |
| LRT-U series – Bare bar | | | | | |
| LRT 33 U | #12–350 | 6 | 5/8 & 1 | 3 | 2 1/2 |
| LRT 44 U | | 8 | | 4 | |

Diagram



Note: For oxide-inhibitor option, add "-C" suffix to the catalog number. For a clear PVC insulating cover, see below.

Clear PVC insulating cover for LRT series



CBB 3344

Clear PVC insulating cover for LRT series

Clear insulating boot protects connections.

- Accommodates six- and eight-outlet connectors for 5/8" or 1" studs

| Cat. no. | L (in.) | H (in.) |
|----------|---------|---------|
| CBB 3344 | 4 | 4 1/4 |

Stud-mount transformer connectors

Aluminum quick-disconnect transformer connectors – LRT-W, LRT-X and LRT series



LRT 4458 W



LRT 4458 X



LRT 2258

Compact design halves cantilever stress and doubles cable capacity.

- LRT-W Series features fully insulated transformer connector to protect connections
- LRT-X Series features clear deadfront insulator for safe and time-saving installations and disconnects; locks in place by raised set screws or installation of the first conductor
- RUS Accepted

Aluminum quick-disconnect transformer connectors

| Cat. no. | Cable range (AWG or kcmil) | Outlets | Stud size (in.) | L (in.) | H (in.) |
|--|-------------------------------|---------|--------------------|------------|------------|
| LRT-W series – Fully insulated with Flood-Seal® rockets | | | | | |
| LRT 2258 W | #12–350 | 4 | 5/8 | 2 | 2½ |
| LRT 3358 W | | 6 | | 3 | |
| LRT 4458 W | | 8 | | 4 | |
| LRT 2210 W | | 4 | 1 | 2 | |
| LRT 3310 W | | 6 | | 3 | |
| LRT 4410 W | | 8 | | 4 | |
| LRT-X series – Fully insulated | | | | | |
| LRT 2258 X | #12–350 | 4 | 5/8 | 2 | 4⅞ |
| LRT 3358 X | | 6 | | 3 | |
| LRT 4458 X | | 8 | | 4 | |
| LRT 2210 X | | 4 | 1 | 2 | |
| LRT 3310 X | | 6 | | 3 | |
| LRT 4410 X | | 8 | | 4 | |
| LRT series – Bare bar | | | | | |
| LRT 2258 | #12–350 | 4 | 5/8 | 2 | 2½ |
| LRT 3358 | | 6 | | 3 | |
| LRT 4458 | | 8 | | 4 | |
| LRT 2210 | | 4 | 1 | 2 | |
| LRT 3310 | | 6 | | 3 | |
| LRT 4410 | | 8 | | 4 | |

Note: For oxide-inhibitor option, add "-C" suffix to the catalog number. For a clear PVC insulating cover, see below.

Clear PVC insulating cover for LRT series



CBB 3344

Clear insulating boot protects connections.

- Accommodates six- and eight-outlet connectors for 5/8" or 1" studs to match the transformer connector you have

Clear PVC insulating cover for LRT series

| Cat. no. | L (in.) | H (in.) |
|----------|------------|------------|
| CBB 3344 | 4 | 4¼ |

Stud-mount transformer connectors

Aluminum Flood-Seal® 95 series screw-on transformer connectors

For use with aluminum or copper lugs up to 350 kcmil.

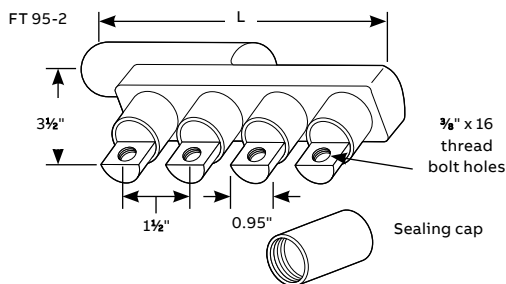
- PVC-insulated aluminum body keeps out moisture while maintaining high conductivity
- Internal/external threaded bushing adapter included with FTU 95 series enables removal of connector without disassembling individual cables

- Dual-rated for use with aluminum or copper lugs from #8 to 350 kcmil
- All Flood-Seal connectors comply with ANSI C119.4 standards

FT 95 series

| Cat. no. | Outlets | L (in.) | Stud size (in.) |
|-------------|---------|---------|-----------------|
| FT 95-2 | 2 | 4 | $\frac{5}{8}$ |
| FT 95-3 | 3 | 5½ | |
| FT 95-4 | 4 | 7 | |
| FT 95-5 | 5 | 8½ | |
| FT 95-6 | 6 | 10 | |
| FT 95-44* | 8 | 7 | |
| FT 95-55* | 10 | 8½ | |
| FT 95-66* | 12 | 10 | |
| FT 95-2-1 | 2 | 4 | 1 |
| FT 95-3-1 | 3 | 5½ | |
| FT 95-4-1 | 4 | 7 | |
| FT 95-5-1 | 5 | 8½ | |
| FT 95-6-1 | 6 | 10 | |
| FT 95-44-1* | 8 | 7 | |
| FT 95-55-1* | 10 | 8½ | |
| FT 95-66-1* | 12 | 10 | |

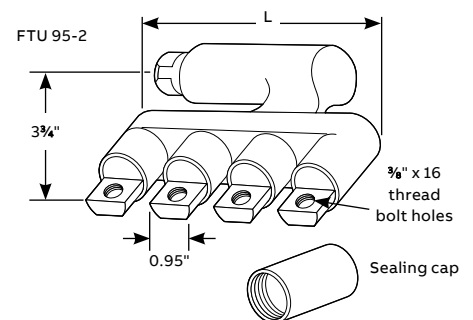
Diagram



FTU 95 series with disconnectable bushing adapter

| Cat. no. | Outlets | L (in.) | Stud size (in.) |
|--------------|---------|---------|-----------------|
| FTU 95-2 | 2 | 4 | $\frac{5}{8}$ |
| FTU 95-3 | 3 | 5½ | |
| FTU 95-4 | 4 | 7 | |
| FTU 95-5 | 5 | 8½ | |
| FTU 95-6 | 6 | 10 | |
| FTU 95-44* | 8 | 7 | |
| FTU 95-55* | 10 | 8½ | |
| FTU 95-66* | 12 | 10 | |
| FTU 95-2-1 | 2 | 4 | 1 |
| FTU 95-3-1 | 3 | 5½ | |
| FTU 95-4-1 | 4 | 7 | |
| FTU 95-5-1 | 5 | 8½ | |
| FTU 95-6-1 | 6 | 10 | |
| FTU 95-44-1* | 8 | 7 | |
| FTU 95-55-1* | 10 | 8½ | |
| FTU 95-66-1* | 12 | 10 | |

Diagram



* Double-row configuration.

Note: All transformer connectors include a jam nut and EPDM rubbing bushing stud cover. All outlets except one are factory-sealed with removable sealing caps. For complete assembly with CS 2011 insulating rockets, add "-AWR" suffix to the catalog number. For other accessories, see pages 44–45.

Flood-Seal rockets
sold separately

01 CS 2011



Stud-mount transformer connectors

Aluminum Flood-Seal® 125 series screw-on transformer connectors



FTU 125-5

For use with aluminum or copper lugs up to 500 kcmil.

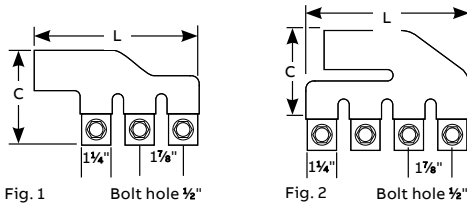
- Heavy PVC-insulated aluminum body keeps out moisture while maintaining high conductivity
- Offset handle design positions cable weight close to tank wall
- Outlets equipped with ½" hex-head bolts with captive Belleville washers accept standard one-hole or two-hole NEMA aluminum or copper lugs
- Comply with ANSI C119.4 specifications
- RUS Accepted

Aluminum Flood-Seal 125 series screw-on transformer connectors

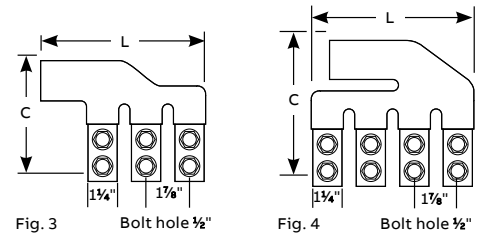
| Cat. no. | Figure no. | C (in.) | L† (in.) | Outlets | Stud size (in.) |
|---------------|------------|---------|----------|---------|-----------------|
| FTU 125-2 | 1 | 3 7/8 | 4 7/8 | 2 | 5/8 |
| FTU 125-3 | 1 | 3 7/8 | 6 5/8 | 3 | |
| FTU 125-4 | 2 | 5 3/16 | 7 1/8 | 4 | |
| FTU 125-5 | 2 | 5 3/16 | 9 | 5 | |
| FTU 125-6 | 2 | 5 3/16 | 10 3/4 | 6 | |
| FTU 125-44* | 2 | 5 3/16 | 7 1/8 | 8 | |
| FTU 1-125-2 | 1 | 3 7/8 | 4 7/8 | 2 | 1 |
| FTU 1-125-3 | 1 | 3 7/8 | 6 5/8 | 3 | |
| FTU 1-125-4 | 2 | 5 3/16 | 7 1/8 | 4 | |
| FTU 1-125-5 | 2 | 5 3/16 | 9 | 5 | |
| FTU 1-125-6 | 2 | 5 3/16 | 10 3/4 | 6 | |
| FTU 1-125-44* | 2 | 5 3/16 | 7 1/8 | 8 | |

| Cat. no. | Figure no. | C (in.) | L† (in.) | Outlets | Stud size (in.) |
|-------------|------------|---------|----------|---------|-----------------|
| FTU 2 N | 3 | 5 5/8 | 4 7/8 | 2 | 5/8 |
| FTU 3 N | 3 | 5 7/8 | 6 5/8 | 3 | |
| FTU 4 N | 4 | 6 15/16 | 7 1/8 | 4 | |
| FTU 5 N | 4 | 6 15/16 | 9 | 5 | |
| FTU 6 N | 4 | 6 15/16 | 10 3/4 | 6 | |
| FTU 44 N* | 4 | 6 15/16 | 7 1/8 | 8 | |
| FTU 1-2 N | 3 | 5 5/8 | 4 7/8 | 2 | 1 |
| FTU 1-3 N | 3 | 5 5/8 | 6 5/8 | 3 | |
| FTU 1-4 N | 4 | 6 15/16 | 7 1/8 | 4 | |
| FTU 1-5 N | 4 | 6 15/16 | 9 | 5 | |
| FTU 1-6 N | 4 | 6 15/16 | 10 3/4 | 6 | |
| FTU 1-44 N* | 4 | 6 15/16 | 7 1/8 | 8 | |

Diagrams



Diagrams



* Double-row configuration. † L is the same for 1-hole and 2-hole versions. Note: For complete assembly with CS 2011 insulating rockets, add "-AWR" suffix to the FTU catalog number. For complete assembly with CSN 2011 insulating rockets, add "-AWR" suffix to the FTU-N catalog number. For other accessories, see pages 46-47. All transformer connectors include threaded bushing adapter, bushing stud cover, jam nut and lug mounting hardware.

Flood-Seal rockets sold separately

- 01 CS 2011
- 02 CSN 2011



← For 1-hole outlet connectors



← For 2-hole outlet connectors

Stud adapter kit

- Works with 5/8" and 1" stud sizes
- Compatible with Flood-Seal 95 and 125 series screw-on transformer connectors

| Cat. no. | Stud size (in.) |
|----------|-----------------|
| 2135 K | 5/8 |
| 2250-1 K | 1 |

Note: Includes stud cover and jam nut.

Stud-mount transformer connectors

Copper screw-on transformer stud adapters



2043-10

Adapters for cable-to-stud connections.

- Made from pure electrolytic copper for high conductivity
- Marked with crimp area, installing dies and wire size for easy identification

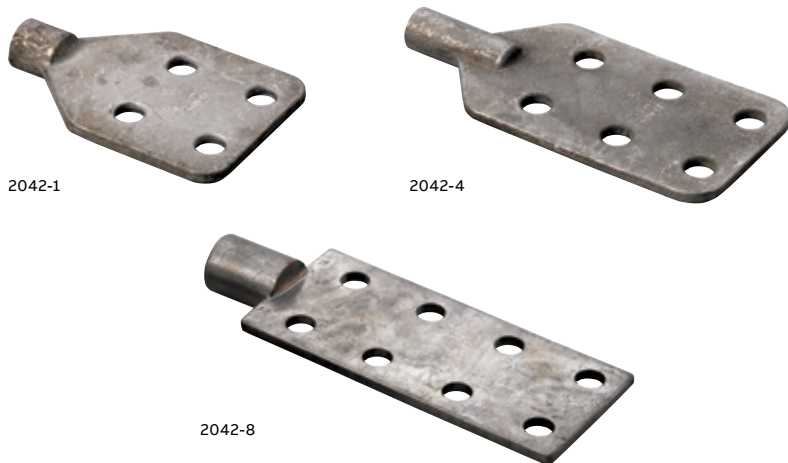
Screw-on stud adapters

| Cat. No. | Stud size (in.) | Cable size (AWG or kcmil) |
|----------|-----------------|---------------------------|
| 2043-1 | 5/8-11 | 350 |
| 2043-2 | 1/2-13 | 350 |
| 2043-3 | 3/8-16 | 350 |
| 2043-4 | 1-14 | 350 |
| 2043-5 | 3/4-16 | 4/0 |
| 2043-6 | 1-8 | 350 |
| 2043-7 | 1/2-13 | 4/0 |
| 2043-8 | 1/2-13 | 250 |
| 2043-9 | 5/8-11 | 250 |
| 2043-10 | 5/8-11 | 500 |

Note: For variations or unlisted sizes, please consult your ABB representative.

Pad-mount transformer connectors

Copper tin-plated transformer stud adapters



Adapters for NEMA pad-style connections.

- Made from pure electrolytic copper for high conductivity
- Tin plated to resist corrosion
- Dual-rated to accept standard aluminum or copper NEMA lugs

Four-hole transformer stud adapters

| | Cat. no. | Stud size (in.) |
|----------|----------|-------------------|
| Diagrams | 2042-1 | $\frac{5}{8}$ -11 |
| | 2042-2 | 1-14 |
| | 2042-3 | $\frac{1}{2}$ -13 |

Note: For variations or unlisted sizes, please consult your ABB representative.

Six-hole transformer stud adapters

| | Cat. no. | Stud size (in.) |
|----------|----------|--------------------|
| Diagrams | 2042-4 | $\frac{5}{8}$ -11 |
| | 2042-5 | 1-14 |
| | 2042-6 | $1\frac{1}{4}$ -12 |
| | 2042-7 | $1\frac{1}{2}$ -12 |

Eight-hole transformer stud adapters

| | Cat. no. | Stud size (in.) |
|----------|----------|--------------------|
| Diagrams | 2042-8 | $\frac{5}{8}$ -11 |
| | 2042-9 | 1-14 |
| | 2042-10 | $1\frac{1}{4}$ -12 |
| | 2042-11 | $1\frac{1}{2}$ -12 |

Pad-mount transformer connectors

Aluminum lay-in transformer spade connectors – ABK™ and AK™ series



ABK 1750



ABK 3750



AK 600 N

The slide-out keeper minimizes the hassle and hazards of forcing cables into closed ports.

- Require only a cable stripper and Allen hex wrench – no crimping tools or dies or other special tools needed for installation
- Transformer changes require only the connector to be unbolted from the spade – no need to disconnect all the conductors, as with compression systems
- Dual-rated to use with aluminum or copper cable
- Double set screws maximize contact area and mechanical characteristics
- Ball-bottom screws ensure even force distribution in the cable/connector interface
- RUS Accepted

ABK series

| Cat. no. | Outlets | Cable range (AWG or kcmil) | Length (in.) | Height (in.) | Mount holes |
|----------------|---------|----------------------------|---------------------------------|--------------------------------|-------------|
| ABK 1600 DS | 1 | #2–600 | 1 ⁴ / ₆₄ | 6 | 2 |
| ABK 4600 DS | 4 | | 6 | | 4 |
| ABK 6600 DS | 6 | | 8 ²⁹ / ₃₂ | | 8 |
| ABK 1750 | 1 | 1/0–750 | 1 ⁵³ / ₆₄ | 6 ³ / ₁₆ | 2 |
| ABK 2750 | 2 | | 3 ¹⁵ / ₁₆ | | 4 |
| ABK 3750 | 3 | | 5 ³ / ₃₂ | | 6 |
| ABK 4750 | 4 | | 6 ⁴⁷ / ₆₄ | | 8 |
| ABK 6750 | 6 | | 10 | | 12 |
| ABK 8750 | 8 | | 13 ¹ / ₂ | | 16 |
| ABK 11000 | 1 | 1/0–1000 | 1 ⁵ / ₈ | | 2 |
| ABK 11000 SSN* | 1 | | 1 ⁵ / ₈ | | 2 |
| ABK 21000 | 2 | | 3 ⁵ / ₈ | | 4 |
| ABK 31000 | 3 | | 5 ¹⁵ / ₁₆ | | 6 |
| ABK 41000 | 4 | | 7 | | 8 |
| ABK 61000 | 6 | | 10 ³ / ₈ | | 16 |
| ABK 81000 | 8 | | 13 ³ / ₄ | | 18 |

* Slotted pad holes. Note: For tin-plating option, add *-TN* suffix to the catalog number.

ABK ML series – Tall pad design

| Cat. no. | Outlets | Cable range (AWG or kcmil) | Length (in.) | Height (in.) | Mount holes |
|-------------|---------|----------------------------|---------------------------------|-------------------------------|-------------|
| ABK 1750-ML | 1 | 1/0–750 | 1 ⁵³ / ₆₄ | 8 ¹ / ₂ | 3 |
| ABK 2750-ML | 2 | | 3 ¹⁵ / ₁₆ | | 6 |
| ABK 3750-ML | 3 | | 5 ³ / ₃₂ | | 9 |
| ABK 4750-ML | 4 | | 6 ⁴⁷ / ₆₄ | | 12 |
| ABK 6750-ML | 6 | | 10 | | 18 |
| ABK 8750-ML | 8 | | 13 ¹ / ₂ | | 24 |

AK series

| Cat. no. | Outlets | Cable range (AWG or kcmil) |
|----------|---------|----------------------------|
| AK 600 N | 1 | #2–600 |

Pad-mount transformer connectors

Aluminum lay-in transformer spade connectors – ABK™ 1000 and ABK™ 7024 series



ABK 441000



ABK 81-7024 L



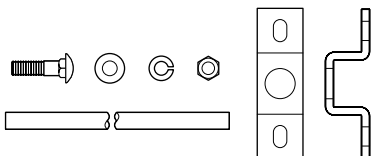
ABK 881-7024

Save time and labor by placing cables into the keeper slot.

- Cables are easily placed into the keeper slot to minimize the hassle and hazards of having to force cables into the closed cable ports found on conventional mechanical connectors – you save time and labor
- ABK 7024 series comes standard with street light outlet and stainless steel mounting hardware
- Require only a cable stripper and Allen hex wrench – no crimping tools or dies or other special tools are needed for installation
- Transformer changes require only the connector to be unbolted from the spade – no need to disconnect all the conductors, as with compression systems
- Dual-rated for use with aluminum or copper cable
- Ball-bottom screws ensure even force distribution in the cable/connector interface
- RUS Accepted

01 ZBT 7847 support kit

- (1) 30" fiberglass support rod
- (4) ½"-13 stainless steel carriage bolts
- (4) ½" stainless steel flat washers
- (4) ½" stainless steel lock washers
- (4) ½" silicone bronze nuts
- (2) tin-plated support brackets



01

ABK 1000 series – Back-to-back

| Cat. no. | Outlets | Conductor range (AWG or kcmil) |
|------------|---------|--------------------------------|
| ABK 221000 | 4 | 1/0-1000 |
| ABK 331000 | 6 | |
| ABK 441000 | 8 | |
| ABK 661000 | 12 | |
| ABK 881000 | 16 | |

Note: For oxide-inhibitor option, add "-C" suffix to the catalog number. For SB Series insulating covers, see page 34.

ABK 7024 series – Single row

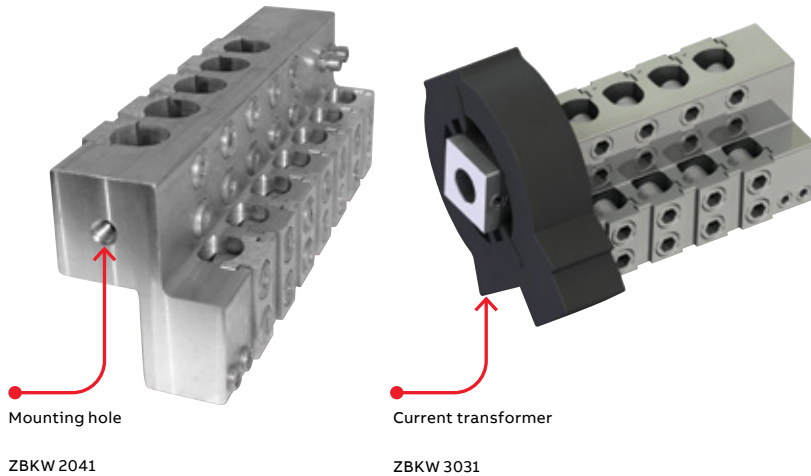
| Cat. no. | Outlets | Conductor range (AWG or kcmil) |
|---------------|---------|--------------------------------|
| ABK 81-7024 R | 8 | 1/0-1000 |
| ABK 81-7024 L | 8 | |

ABK 7024 series – Back-to-back

| Cat. no. | Outlets | Conductor range (AWG or kcmil) |
|--------------|---------|--------------------------------|
| ABK 881-7024 | 16 | 1/0-1000 |

Pad-mount transformer connectors

Aluminum quick-disconnect lay-in transformer connectors – ZBKW™ series



Get two times the cable capacity in the same length.

- Cables are easily placed into the keeper slot to minimize the hassle and hazards of having to force cables into the closed cable ports found on conventional mechanical connectors – you save time and labor
- Compact Zeebar® design halves cantilever stress and doubles cable capacity
- EZ Torque® stud screws make mounting to the transformer stud easy and shear off at the proper torque
- Made from aluminum for high strength and high conductivity
- Dual-rated for use with aluminum or copper cable
- Quick disconnects make connector easy to install or remove
- Wide cable range provides connections for cables ranging from 1/0 to 1000 kcmil
- Two #12 to 1/0 street light outlets provide added versatility for additional connections
- RUS Accepted

ZBKW 2 SLM series

| Cat. no. | Conductor range (AWG or kcmil) | Outlets | Size (in.) |
|--------------------|--|---------|------------|
| ZBKW 2041-1-2 SLM | 1/0–1000 main, (2) #12–1/0 street light | 6 | 8.2 |
| ZBKW 2041-1-2 SLRM | | 6 | 8.2 |
| ZBKW 3051-1-2 SLM | | 8 | 9.9 |
| ZBKW 3051-1-2 SLRM | | 8 | 9.9 |
| ZBKW 4061-1-2 SLM | | 10 | 11.5 |
| ZBKW 4061-1-2 SLRM | | 10 | 11.5 |
| ZBKW 5071-1-2 SLM | | 12 | 13.2 |
| ZBKW 5071-1-2 SLRM | | 12 | 13.2 |

Includes 1" transformer stud, two street light outlets and mounting support provision.

ZBKW 2 SLCTM series

| Cat. no. | Conductor range (AWG or kcmil) | Outlets | Size (in.) |
|----------------------|--|---------|------------|
| ZBKW 3031-1-2 SLCTM | 1/0–1000 main, (2) #12–1/0 street light | 6 | 9.9 |
| ZBKW 3031-1-2 SLRCTM | | 6 | 9.9 |
| ZBKW 3041-1-2 SLCTM | | 8 | 11.5 |
| ZBKW 3041-1-2 SLRCTM | | 8 | 11.5 |

Includes 1" transformer stud, two street light outlets, current transformer and mounting support provision.

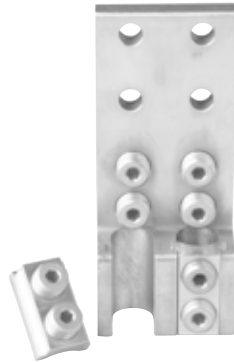
Note: For 1¼" stud, change "-1" suffix to "-1.25." For 1½" stud, change "-1" suffix to "-1.5."

Pad-mount transformer connectors

Aluminum lay-in transformer spade connectors – ZBK™ series



ZBK 6067



ZBK 4047

Compact Zeebar® design halves cantilever stress and doubles cable capacity.

- Slide-out keeper minimizes the hassle and hazards of having to force cables into the closed cable ports found on conventional mechanical connectors – you save time and labor
- Easy transformer change-out connector can be unbolted from the spade without the need to disconnect the service conductors
- Made from aluminum for high strength and high conductivity
- Dual-rated for use with aluminum or copper cable
- Wide cable range provides connections for cables ranging from 1/0 AWG to 750 kcmil or from 1/0 AWG to 1000 kcmil
- RUS Accepted

ZBK series

| Cat. no. | Conductor range (AWG or kcmil) | Outlets | Mount holes |
|----------|--------------------------------|---------|-------------|
| ZBK 1017 | 1/0–750 | 2 | 2 |
| ZBK 2027 | | 4 | 4 |
| ZBK 3037 | | 6 | 6 |
| ZBK 4047 | | 8 | 8 |
| ZBK 6067 | | 12 | 12 |
| ZBK 8087 | | 16 | 16 |
| ZBK 2021 | 1/0–1000 | 4 | 4 |
| ZBK 3031 | | 6 | 6 |
| ZBK 4041 | | 8 | 8 |
| ZBK 6061 | | 12 | 12 |
| ZBK 8081 | | 16 | 16 |

Note: For oxide-inhibitor option, add "-C" suffix to the catalog number.

For SB Series insulating boots, see page 34.

For tin-plating option, add "-TN" suffix to the catalog number.

Pad-mount transformer connectors

Aluminum transformer spade connectors – ABT™ single set-screw series



ABT 4350-48



ABT 6350

High-strength aluminum alloy maximizes electrical and mechanical performance.

- Ball-bottom screws ensure maximum conductor contact pressure and break up interstrand oxides
- Dual-rated to accept copper or aluminum conductors
- Meets or exceeds ANSI C119.4 specifications

ABT series – Single-row mounting holes

| Cat. no. | Outlets | Length (in.) | Mounting holes | Conductor range (AWG or kcmil) |
|-------------|---------|---------------------------------|----------------|--------------------------------|
| ABT 440-48 | 4 | 4 ³ / ₄ | 3 | #6–250 |
| ABT 640-48 | 6 | 5 ¹⁵ / ₁₆ | 4 | |
| ABT 840-48 | 8 | 7 ¹⁵ / ₁₆ | 4 | |
| ABT 4350-48 | 4 | 4 ⁵ / ₈ | 3 | #12–350 |
| ABT 6350-48 | 6 | 6 ¹ / ₂ | 4 | |
| ABT 8350-48 | 8 | 8 ¹ / ₄ | 5 | |
| ABT 4500-48 | 4 | 4 ⁹ / ₁₆ | 3 | #6–500 |
| ABT 6500-48 | 6 | 6 ¹ / ₂ | 4 | |
| ABT 8500-48 | 8 | 9 ¹ / ₄ | 6 | |

Note: For oxide-inhibitor option, add “-C” suffix to the catalog number.

For SB series insulating covers, see page 34.

For tin-plating option, add “-TN” suffix to the catalog number.

ABT series – Double-row mounting holes

| Cat. no. | Outlets | Length (in.) | Mounting holes | Conductor range (AWG or kcmil) |
|----------|---------|---------------------------------|----------------|--------------------------------|
| ABT 440 | 4 | 4 ³ / ₄ | 6 | #6–250 |
| ABT 640 | 6 | 5 ¹⁵ / ₁₆ | 8 | |
| ABT 840 | 8 | 7 ¹⁵ / ₁₆ | 8 | |
| ABT 2350 | 2 | 3 | 4 | #12–350 |
| ABT 3350 | 3 | 3 | 4 | |
| ABT 4350 | 4 | 4 ⁵ / ₈ | 6 | |
| ABT 6350 | 6 | 6 ¹ / ₂ | 8 | |
| ABT 8350 | 8 | 8 ¹ / ₄ | 10 | |
| ABT 2500 | 2 | 3 | 4 | #6–500 |
| ABT 3500 | 3 | 3 | 4 | |
| ABT 4500 | 4 | 4 ⁹ / ₁₆ | 6 | |
| ABT 5500 | 5 | 5 ²³ / ₃₂ | 8 | |
| ABT 6500 | 6 | 6 ¹ / ₂ | 8 | |
| ABT 8500 | 8 | 9 ¹ / ₄ | 12 | |

Note: For oxide-inhibitor option, add “-C” suffix to the catalog number.

For SB series insulating covers, see page 34.

For tin-plating option, add “-TN” suffix to the catalog number.

Pad-mount transformer connectors

Aluminum transformer spade connectors – ABT™ double set-screw series



ABT 4500 DS

High-strength aluminum alloy maximizes electrical and mechanical performance.

- Ball-bottom screws ensure maximum conductor contact pressure and break up interstrand oxides
- Dual-rated to accept copper or aluminum conductors
- Meets or exceeds ANSI C119.4 specifications

ABT series – Double-set screw

| Cat. no. | Outlets | Length (in.) | Mounting holes | Conductor range (AWG or kcmil) |
|-------------|---------|--------------------|----------------|--------------------------------|
| ABT 1500 DS | 1 | 1 $\frac{1}{4}$ | 2 | #6–500 |
| ABT 2500 DS | 2 | 3 | 4 | |
| ABT 3500 DS | 3 | 3 $\frac{5}{8}$ | 4 | |
| ABT 4500 DS | 4 | 4 $\frac{3}{4}$ | 6 | |
| ABT 5500 DS | 5 | 5 $\frac{23}{32}$ | 8 | |
| ABT 6500 DS | 6 | 6 $\frac{1}{2}$ | 8 | |
| ABT 8500 DS | 8 | 9 $\frac{3}{16}$ | 12 | |
| ABT 1750 | 1 | 1 $\frac{1}{2}$ | 2 | 1/0–750 |
| ABT 2750 | 2 | 3 | 4 | |
| ABT 3750 | 3 | 4 $\frac{3}{4}$ | 6 | |
| ABT 4750 | 4 | 6 $\frac{1}{2}$ | 8 | |
| ABT 5750 | 5 | 6 $\frac{1}{2}$ | 8 | |
| ABT 6750 | 6 | 8 $\frac{1}{4}$ | 10 | |
| ABT 8750 | 8 | 10 $\frac{11}{16}$ | 12 | |
| ABT 11000 | 1 | 1 $\frac{3}{4}$ | 2 | 1/0–1000 |
| ABT 21000 | 2 | 3 | 4 | |
| ABT 31000 | 3 | 4 $\frac{3}{4}$ | 6 | |
| ABT 41000 | 4 | 6 $\frac{1}{2}$ | 8 | |
| ABT 61000 | 6 | 9 $\frac{3}{4}$ | 12 | |
| ABT 81000 | 8 | 12 $\frac{1}{4}$ | 12 | |

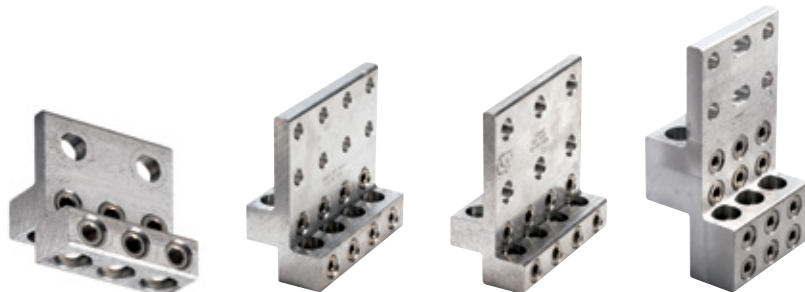
Note: For oxide-inhibitor option, add “-C” suffix to the catalog number.

For tin-plating option, add “-TN” suffix to the catalog number.

For SB series insulating covers, see page 34.

Pad-mount transformer connectors

Aluminum transformer spade connectors – ZBT™ series



ZBT 3033-48

ZBT 4047

ZBT 4043

ZBT 3037 DS

The quicker-installation alternatives to compression lugs.

- Compact Zeebar® design halves cantilever stress and doubles cable capacity
- High-strength aluminum alloy maximizes electrical and mechanical performance
- Ball-bottom screws ensure maximum conductor contact pressure and break up interstrand oxides
- Dual-rated to accept copper or aluminum conductors
- Meets or exceeds ANSI C119.4 specifications

ZBT series – Single-row mounting holes

| Cat. no. | Cable range (AWG or kcmil) | Outlets | Length (in.) | Mounting holes |
|-------------|----------------------------|---------|-----------------|----------------|
| ZBT 1013-48 | #12–350 | 2 | $3\frac{1}{32}$ | 1 |
| ZBT 2023-48 | | 4 | 2 | 1 |
| ZBT 3033-48 | | 6 | 3 | 2 |
| ZBT 4043-48 | | 8 | $4\frac{3}{4}$ | 3 |
| ZBT 5053-48 | | 10 | $4\frac{3}{4}$ | 3 |
| ZBT 6063-48 | | 12 | $6\frac{1}{2}$ | 4 |

ZBT series – Double-row mounting holes

| Cat. no. | Cable range (AWG or kcmil) | Outlets | Length (in.) | Mounting holes |
|--------------|----------------------------|---------|------------------|----------------|
| ZBT 1013 | #12–350 | 2 | $3\frac{1}{32}$ | 2 |
| ZBT 2023 | | 4 | 2 | 2 |
| ZBT 3033 | | 6 | 3 | 4 |
| ZBT 4043 | | 8 | $4\frac{3}{4}$ | 6 |
| ZBT 5053 | | 10 | $4\frac{3}{4}$ | 6 |
| ZBT 6063 | | 12 | $6\frac{1}{2}$ | 8 |
| ZBT 1017 | 1/0–750 | 2 | $1\frac{5}{8}$ | 2 |
| ZBT 2027 | | 4 | 3 | 4 |
| ZBT 4047 | | 8 | $6\frac{1}{2}$ | 8 |
| ZBT 5057 | | 10 | $8\frac{1}{4}$ | 10 |
| ZBT 6067 | | 12 | $8\frac{1}{4}$ | 10 |
| ZBT 8087 | | 16 | 11 | 12 |
| ZBT 1717 DS* | | 2 | $1\frac{5}{8}$ | 2 |
| ZBT 2027 DS* | | 4 | 3 | 4 |
| ZBT 4047 DS* | | 8 | $6\frac{1}{2}$ | 8 |
| ZBT 5057 DS* | | 10 | $8\frac{1}{4}$ | 10 |
| ZBT 6067 DS* | | 12 | $8\frac{1}{4}$ | 10 |
| ZBT 8087 DS* | | 16 | 11 | 12 |
| ZBT 1011* | 1/0–1000 | 2 | $1\frac{5}{8}$ | 2 |
| ZBT 2021* | | 4 | $3\frac{5}{16}$ | 4 |
| ZBT 3031* | | 6 | 5 | 6 |
| ZBT 4041* | | 8 | $6\frac{11}{16}$ | 8 |
| ZBT 8081* | | 16 | $13\frac{7}{16}$ | 16 |

*Two set-screws per outlet. Note: For oxide-inhibitor option, add “-C” suffix to the catalog number. For SB series insulating covers, see page 34. For tin-plating option, add “-TN” suffix to the catalog number.

Pad-mount transformer connectors

Aluminum transformer spade connectors – ABN™ series



ABN 4350

For installations on standard NEMA spade terminals.

- High-strength aluminum alloy maximizes electrical and mechanical performance
- Dual-rated to accept aluminum or copper conductors
- Ball-bottom screws ensure maximum conductor contact pressure and break up interstrand oxides
- Meets or exceeds ANSI C119.4 specifications

ABN series

| Cat. no. | Cable range (AWG or kcmil) | Outlets | L (in.) | Boot no. |
|----------|----------------------------|---------|----------------------------------|----------|
| ABN 240 | #6–250 | 2 | 4 ³ / ₄ | SB 17 |
| ABN 340 | | 3 | 5 ¹ / ₂ | SB 17 |
| ABN 440 | | 4 | 6 ⁵ / ₁₆ | SB 11 |
| ABN 540 | | 5 | 7 ¹ / ₁₆ | SB 11 |
| ABN 640 | | 6 | 7 ⁷ / ₈ | SB 11 |
| ABN 740 | | 7 | 8 ⁵ / ₈ | SB 14 |
| ABN 840 | | 8 | 9 ⁷ / ₁₆ | SB 14 |
| ABN 2350 | #6–350 | 2 | 4 ¹⁵ / ₁₆ | SB 17 |
| ABN 3350 | | 3 | 5 ⁷ / ₈ | SB 11 |
| ABN 4350 | | 4 | 6 ³ / ₄ | SB 11 |
| ABN 5350 | | 5 | 7 ¹¹ / ₁₆ | SB 11 |
| ABN 6350 | | 6 | 8 ⁹ / ₁₆ | SB 14 |
| ABN 7350 | | 7 | 9 ¹ / ₂ | SB 14 |
| ABN 8350 | | 8 | 10 ⁷ / ₁₆ | 2160 |
| ABN 2500 | #2–500 | 2 | 5 ⁵ / ₁₆ | SB 17 |
| ABN 3500 | | 3 | 6 ⁵ / ₁₆ | SB 11 |
| ABN 4500 | | 4 | 7 ⁵ / ₁₆ | SB 11 |
| ABN 5500 | | 5 | 8 ⁵ / ₁₆ | SB 14 |
| ABN 6500 | | 6 | 9 ⁵ / ₁₆ | 2160 |
| ABN 7500 | | 7 | 10 ⁵ / ₁₆ | 2163 |
| ABN 8500 | | 8 | 11 ⁵ / ₁₆ | 2163-3 |
| ABN 2750 | 1/0–750 | 2 | 5 ¹⁵ / ₁₆ | 2120 |
| ABN 3750 | | 3 | 7 ¹ / ₄ | 2120 |
| ABN 4750 | | 4 | 8 ⁵ / ₈ | 2120 |
| ABN 5750 | | 5 | 9 ¹⁵ / ₁₆ | 2160 |
| ABN 6750 | | 6 | 11 ¹ / ₄ | 2160 |
| ABN 7750 | | 7 | 12 ⁵ / ₈ | 2163-3 |
| ABN 8750 | | 8 | 13 ¹⁵ / ₁₆ | 2163-3 |

Note: For oxide-inhibitor option, add “-C” suffix to the catalog number.

For street light-outlet option, add “-SL” suffix to the catalog number.

For tin-plating option, add “-TN” suffix to the catalog number.

Pad-mount transformer connectors

Aluminum Flood-Seal® 125 series transformer spade connectors



FTN 125-44N



FTN 125-4N

For deadfront pad-mount transformers with four-hole NEMA spade secondary bushings.

- Provide maximum contact to ensure cooler operating, more reliable joints
- Dual-rated for use with aluminum or copper cable ranging from #8 AWG to 500 kcmil
- Outlets equipped with ½" plated steel hex-head bolts with captive Belleville washers to accept standard one-hole or two-hole NEMA aluminum or copper lugs
- All Flood-Seal connectors comply with ANSI C119.4 specifications

1-hole outlets

| Cat. no. | Outlets | L (in.) |
|-------------|---------|-------------------------------|
| FTN 125-2 | 2 | 4 |
| FTN 125-3 | 3 | 4 ⁷ / ₈ |
| FTN 125-4 | 4 | 6 |
| FTN 125-5 | 5 | 7 ⁷ / ₈ |
| FTN 125-6 | 6 | 7 ⁷ / ₈ |
| FTN 125-44* | 8 | 6 |

2-hole outlets

| Cat. no. | Outlets | L (in.) |
|--------------|---------|-------------------------------|
| FTN 125-2N | 2 | 4 |
| FTN 125-3N | 3 | 4 ⁷ / ₈ |
| FTN 125-4N | 4 | 6 |
| FTN 125-5N | 5 | 7 ⁷ / ₈ |
| FTN 125-6N | 6 | 7 ⁷ / ₈ |
| FTN 125-44N* | 8 | 6 |

* Double-row configuration.

Note: For complete assembly with CS 2011 insulating rockets, add "-AWR" suffix to the FTN catalog number.
For complete assembly with CSN 2011 insulating rockets, add "-AWR" suffix to the FTN-N catalog number.

Pad-mount transformer connectors

Aluminum Flood-Seal® 175 series transformer spade connectors



FTN 175-4R



FTN 175-22

For deadfront pad-mount transformers with four-hole NEMA spade secondary bushings.

- Flood-Seal connectors permit the use of aluminum or copper standard side-formed two-hole lugs
- Flood-Seal EPDM rubber insulating sleeves are available to fully insulate outlets
- All outlets are provided with ½" plated steel hex-head bolts and captive Belleville washers
- Cable range from 4/0 AWG to 1000 kcmil aluminum or copper
- Maximum contact ensures cooler operating, more reliable connections
- All Flood-Seal connectors meet or exceed ANSI C119.4 specifications

Single-row style

| Diagrams | Cat. no. | Spade | Outlets | Length (in.) |
|---|------------|------------|---------|--------------|
| <p>NEMA spade PVC 6 L NEMA spaced All outlets 2½" on center</p> | FTN 175-4R | Right hand | 4 | 9¼" |
| | FTN 175-4L | Left hand | 4 | 9¼" |
| | FTN 175-5R | Right hand | 5 | 11¾" |
| | FTN 175-5L | Left hand | 5 | 11¾" |
| | FTN 175-6R | Right hand | 6 | 14¼" |
| | FTN 175-6L | Left hand | 6 | 14¼" |

Double-row style

| Diagrams | Cat. no. | Outlets | Length (in.) |
|---|------------|---------|--------------|
| <p>NEMA pad PVC insulation 4 4 6¾ L All outlets 2½" on center</p> | FTN 175-22 | 4 | 4¼" |
| | FTN 175-33 | 6 | 6¾" |
| | FTN 175-44 | 8 | 9¼" |
| | FTN 175-55 | 10 | 11¾" |
| | FTN 175-66 | 12 | 14¼" |

Pad-mount transformer connectors

NEMA transformer spade adapters

The options you need for a variety of connections.

- Adapters for standard and four-hole NEMA transformer pads
- Cables are disconnectable to make swaps and changes easier
- Dual-rated to accept copper or aluminum lugs



TSC 4-6

TSC 4 series – Aluminum

| Cat. no. | Bolt holes | Spade thickness (in.) |
|----------|------------|-----------------------|
| TSC 4-6 | 6 | $\frac{3}{8}$ |
| TSC 4-8 | 8 | |
| TSC 4-10 | 10 | $\frac{3}{4}$ |
| TSC 4-12 | 12 | |

Note: For tin-plating option, add "-TN" suffix to the catalog number.
For custom configurations, please consult your ABB representative.

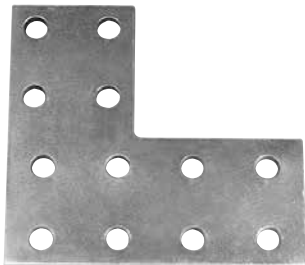


TSC 8

TSC series – Aluminum

| Cat. no. | Bolt holes | Spade thickness (in.) |
|----------|------------|-----------------------|
| TSC 6 | 6 | $\frac{3}{8}$ |
| TSC 8 | 8 | |
| TSC 10 | 10 | $\frac{3}{4}$ |
| TSC 12 | 12 | |

Note: For tin-plating option, add "-TN" suffix to the catalog number.
For custom configurations, please consult your ABB representative.

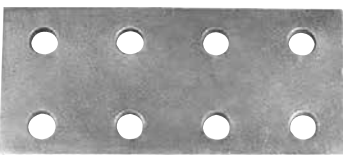


CTSC 4-12

CTSC 4 series – Copper

| Cat. no. | Bolt holes | Spade thickness (in.) |
|-----------|------------|-----------------------|
| CTSC 4-6 | 6 | $\frac{1}{4}$ |
| CTSC 4-8 | 8 | |
| CTSC 4-10 | 10 | $\frac{1}{2}$ |
| CTSC 4-12 | 12 | |

Note: For tin-plating option, add "-TN" suffix to the catalog number.
For custom configurations, please consult your ABB representative.



CTSC 8

CTSC series – Copper

| Cat. no. | Bolt holes | Spade thickness (in.) |
|----------|------------|-----------------------|
| CTSC 6 | 6 | $\frac{1}{4}$ |
| CTSC 8 | 8 | |
| CTSC 10 | 10 | $\frac{1}{2}$ |
| CTSC 12 | 12 | |

Note: For custom configurations, please consult your ABB representative.

Network protector connectors

Flood-Seal® 175 series clamp-on style transformer and network protection connectors

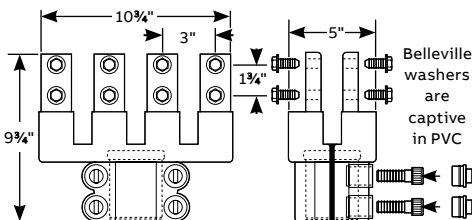


Convenient multiple-tap connections to power transformers and network protectors.

- Compact design conserves vault and manhole space – and often eliminates the need for auxiliary buses
- Clamp-style base provides 3¼" of stud contact and eliminates the need for a jam nut
- Rubber gasket ensures secure closure between connector halves
- All NEMA-drilled aluminum alloy outlets equipped with plated hex-head bolts and captive Belleville washers to accept two-hole NEMA lugs up to 1000 kcmil, vertical or horizontal

Vertical cable leads

| | Cat. no. | Outlets | Stud size (in.) |
|----------|---------------|---------|-----------------|
| Diagrams | FTT 44-175-15 | 8 | 1½ |
| | FTT 44-175-30 | 8 | 3 |

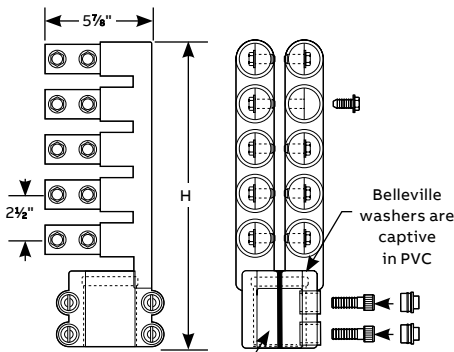


Rubber gasket provides secure closure between connector halves

Note: For copper connectors, add "-CU" suffix to the catalog number.
 For complete assembly with insulating rockets, add "-AWR" suffix to the catalog number.
 For special applications or greater number of outlets than those listed, please consult your ABB representative.

Horizontal cable leads

| | Cat. no. | Outlets | Height (in.) | Stud size (in.) |
|----------|---------------|---------|--------------|-----------------|
| Diagrams | FTH 22-175-15 | 4 | 9 3/8 | 1½ |
| | FTH 33-175-15 | 6 | 11 7/8 | |
| | FTH 44-175-15 | 8 | 14 3/8 | |
| | FTH 55-175-15 | 10 | 16 7/8 | |
| | FTH 22-175-30 | 4 | 9 3/8 | 3 |
| | FTH 33-175-30 | 6 | 11 7/8 | |
| | FTH 44-175-30 | 8 | 14 3/8 | |
| | FTH 55-175-30 | 10 | 16 7/8 | |

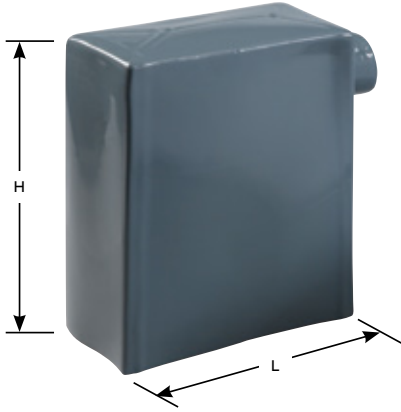


Rubber gasket provides secure closure between connector halves

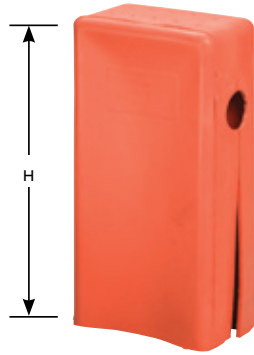
Note: For copper connectors, add "-CU" suffix to the catalog number.
 For complete assembly with insulating rockets, add "-AWR" suffix to the catalog number.
 For special applications or greater number of outlets than those listed, please consult your ABB representative.

Drop-on insulating boots

Insulating boots for transformer spade connectors



SB 2159
(PVC)



BBV4N
(EPDM)

Insulating boots for harsh environments.

- BBV4N features EPDM rubber flexi-boot – will not crack from cold embrittlement, will not cold flow and will not soften with heat
- BBV4N features flexible locking ribs to prevent accidental removal of EPDM boot
- PVC boots available
- SB series is RUS Accepted

Insulating boots for transformer spade connectors

| Cat. no. | Length (in.) | Width (in.) | Height (in.) |
|-------------------|-------------------|------------------|------------------|
| SB series | | | |
| SB 2144 | 3 $\frac{1}{4}$ | 4 $\frac{1}{2}$ | 9 |
| SB 2147 | 5 $\frac{1}{2}$ | 2 $\frac{1}{2}$ | 6 $\frac{1}{8}$ |
| SB 2151 | 5 $\frac{1}{2}$ | 4 | 12 |
| SB 17 | 5 $\frac{15}{16}$ | 2 $\frac{3}{4}$ | 3 $\frac{3}{4}$ |
| SB 2163-6 | 7 | 4 $\frac{5}{8}$ | 8 $\frac{7}{8}$ |
| SB 2163-7 | 8 | 3 | 7 $\frac{7}{8}$ |
| SB 11 | 8 $\frac{1}{8}$ | 2 | 2 $\frac{1}{16}$ |
| SB 2120 | 8 $\frac{3}{4}$ | 2 $\frac{1}{2}$ | 5 $\frac{1}{5}$ |
| SB 2163-12 | 8 $\frac{3}{4}$ | 5 | 8 $\frac{1}{8}$ |
| SB 2163-2 | 8 $\frac{3}{4}$ | 5 | 9 |
| SB 2157 | 9 $\frac{3}{4}$ | 2 $\frac{3}{4}$ | 7 $\frac{3}{4}$ |
| SB 2159 | 9 $\frac{3}{4}$ | 4 $\frac{5}{8}$ | 11 $\frac{3}{4}$ |
| SB 14 | 9 $\frac{15}{16}$ | 2 | 2 $\frac{1}{16}$ |
| SB 2160 | 12 | 2 $\frac{3}{4}$ | 5 $\frac{7}{8}$ |
| SB 2163-3 | 12 $\frac{3}{8}$ | 5 $\frac{3}{16}$ | 11 $\frac{7}{8}$ |
| SB 2163-10 | 13 $\frac{3}{4}$ | 5 | 7 $\frac{3}{4}$ |
| SB 2163-4 | 14 | 5 $\frac{1}{2}$ | 11 $\frac{7}{8}$ |
| BBV series | | | |
| BBV4N | 4 $\frac{3}{8}$ | 2 $\frac{3}{4}$ | 10 |

Note: For boot sizes not listed, please consult your ABB representative.
PVC boots available in black, gray, yellow or clear.

Flood-Seal® multi-port connectors

Aluminum Flood-Seal mechanical connectors



Save outlet space.

These connectors feature the Sweetheart® outlet configuration that nests two equal-sized service cables from #6 to 2/0 AWG or two different-sized cables from #2 to 2/0 AWG, saving you outlet space and consequent cost. Unique cable outlets permit the use of street light wire either in original construction or as a later addition. Connectors are dual-rated, PVC insulated, supplied with insulating rockets and prefilled with oxide inhibitor.

- Aluminum-alloy connector construction for high strength and high conductivity; dual-rated for use with copper or aluminum cable
- Exceed ANSI C119.1 and C119.4 requirements and are RUS Accepted
- All connectors are 100% hi-pot tested at 4000 V for 60 seconds

Flood-Seal mechanical connectors

| Diagrams | Cat. no. | Cable range feeder outlet S/L (AWG or kcmil) | Outlets | L (in.) |
|----------|----------|---|---------|---------|
| | SHC 21 | #6-2/0 | 2 | 3 3/4 |
| | SHC 22 | #6-350 | 2 | 3 3/4 |
| | SHC 121 | #14 sol.-#6 | 3 | 5 1/4 |
| | SHC 212 | | 3 | 5 1/4 |

Note: In catalog number, 1 designates outlet with street light (S/L) option; 2 designates Sweetheart outlet. Sweetheart outlet nests two equal-sized service cables from #6 to 2/0 AWG or two different-sized cables from #2 AWG to 2/0. Feeder outlet houses cables from #6 AWG to 350 kcmil (cable range when using a street light tap is 1/0 AWG to 350 kcmil).

Flood-Seal mechanical connectors with street light option

| Diagrams | Cat. no. | Cable range (AWG or kcmil) | Outlets | L (in.) |
|----------|----------|----------------------------|---------|---------|
| | SHC 2 | #6-350 | 2 | 3 3/4 |
| | SHC 3 | #14 sol.-#6 | 3 | 5 1/4 |
| | SHC 4 | | 4 | 7 |
| | SHC 5 | | 5 | 8 7/8 |
| | SHC 6 | | 6 | 10 3/4 |
| | SHC 8 | | 8 | 14 1/2 |

Note: All outlets are provided with insulating rocket sleeves, with one sleeve having the street light capability. Cable range is 1/0 AWG to 350 kcmil when using a street light tap.

01 For EZ Torque® shear-head screws supplied in all outlets, add "-TS" suffix to the catalog number.



Flood-Seal mechanical 500 kcmil connectors

| Diagrams | Cat. no. | Cable range (AWG or kcmil) | Outlets | L (in.) |
|----------|-----------|----------------------------|---------|---------|
| | SHC 500-2 | #2-500 | 2 | 3 7/8 |
| | SHC 500-3 | | 3 | 6 1/4 |
| | SHC 500-4 | | 4 | 8 3/8 |
| | SHC 500-5 | | 5 | 10 5/8 |
| | SHC 500-6 | | 6 | 12 7/8 |
| | SHC 500-8 | | 8 | 17 3/8 |

Flood-Seal® multi-port connectors

Aluminum Flood-Seal mechanical connectors – 4/0 series



Save outlet space and use street light wire.

Aluminum Flood-Seal mechanical connectors feature ball-bottom screws that support the widest conductor range and aid in breaking up aluminum oxides. Wide-range cable outlets permit the use of street light wire either in original construction or as a later addition. Sweetheart® connectors are dual-rated, PVC insulated, supplied with insulating rockets and prefilled with oxide inhibitor.

- Dual-rated for use with a wide range of aluminum or copper cable
- Aluminum-alloy connector construction for high strength and high conductivity
- Sweetheart outlet configuration doubles cable capacity and halves space requirements
- Single-screw design with outlets sealed with Flood-Seal EPDM rockets
- Street light option supports the use of street light wire (#14 to #4 AWG)
- Exceed ANSI C119.1 and C119.4 requirements and Western Underground Committee Guidelines and are RUS accepted.
- All connectors are 100% hi-pot tested at 4000 V for 60 seconds

Mechanical connectors for 4/0 AWG outlets with 500 kcmil feeder

| Diagrams | Cat. no. | Wire range (AWG or kcmil) | L (in.) | H (in.) |
|----------------------------|----------------|---------------------------|---------|---------|
| <p>Top view of outlets</p> | SHC 500-240 SL | Tap #4-4/0 | 4½ | 4¾ |
| | SHC 500-440 SL | Feeder #2-500 | 6¾ | |
| | SHC 500-640 SL | S/L #14-#4 | 9¾ | |

Flood-Seal® multi-port connectors

Aluminum Flood-Seal twin-screw mechanical connectors



For direct burial or above-ground pedestal installation.

- Flood-Seal insulating rockets field tested in more than 10 million applications
- All connectors are 100% hi-pot tested at 4000 V for 60 seconds
- Prefilled with oxide inhibitor to prevent oxidation and keep out moisture
- Ball-bottom screws support the widest conductor range and aid in breaking up aluminum oxides
- Aluminum-alloy connector construction for high strength and high conductivity
- Dual-rated for use with a wide range of copper or aluminum conductors
- Exceed ANSI C119.1 and C119.4 requirements and Western Underground Committee Guidelines

350 kcmil series

| Diagrams | One-way Cat. no. | Outlets one-way | Two-way Cat. no. | Outlets two-way | Length (in.) | Cable range (AWG or kcmil) |
|------------------------|------------------|-----------------|------------------|-----------------|--------------------------------|----------------------------|
| <p>One-way outlets</p> | UH 2 R | 2 | UH 22 R | 4 | 3 ¹ / ₄ | #6-350 |
| | UH 3 R | 3 | UH 33 R | 6 | 5 ¹ / ₄ | |
| <p>Two-way outlets</p> | UH 4 R | 4 | UH 44 R | 8 | 7 | |
| | UH 5 R | 5 | UH 55 R | 10 | 8 ⁷ / ₈ | |
| | UH 6 R | 6 | UH 66 R | 12 | 10 ³ / ₄ | |
| | UH 8 R | 8 | UH 88 R | 16 | 14 ¹ / ₂ | |

01 For EZ Torque® shear-head screws supplied in all outlets, add "-TS" suffix to the catalog number.



01

500 kcmil series

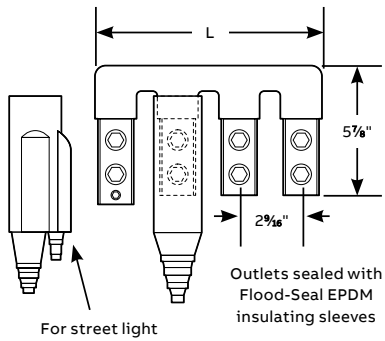
| Diagram | Cat. no. | Cable range (AWG or kcmil) | Outlets | L (in.) | H (in.) |
|---------|------------|----------------------------|---------|--------------------------------|-------------------------------|
| | UH 500-2 R | #2-500 | 2 | 3 ⁷ / ₈ | 4 ³ / ₄ |
| | UH 500-3 R | | 3 | 6 ¹ / ₈ | |
| | UH 500-4 R | | 4 | 8 ³ / ₈ | |
| | UH 500-5 R | | 5 | 10 ⁵ / ₈ | |
| | UH 500-6 R | | 6 | 12 ⁷ / ₈ | |
| | UH 500-8 R | | 8 | 17 ³ / ₈ | |

Flood-Seal® multi-port connectors

Aluminum Flood-Seal twin-screw mechanical connectors – UH 750 series



Diagram



Versatile for direct burial or above-ground pedestals.

- Flood-Seal insulating rockets field tested in more than 10 million applications
- All connectors are 100% hi-pot tested at 4000 V for 60 seconds
- Street light outlet option – wide-range cable outlets support the use of street light wire
- Prefilled with oxide inhibitor to prevent oxidation and keep out moisture
- Aluminum-alloy connector construction for high strength and high conductivity
- Dual-rated to accept a wide range of copper or aluminum conductors
- Exceed ANSI C119.1 and C119.4 requirements as well as Western Underground Committee Guidelines

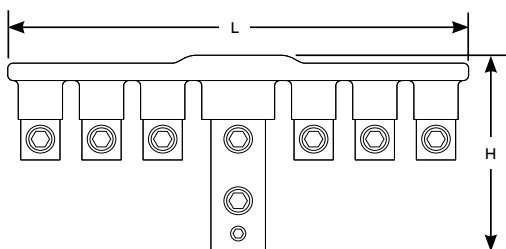
Submersible connector with street light outlet

| Cat. no. | Outlets | Length (in.) | Cable range | | Street light |
|--------------|---------|--------------|----------------|---------------------|--------------|
| | | | (AWG or kcmil) | Main (AWG or kcmil) | |
| UH 750-4 SLR | 4 | 9½ | 1/0-750 | #2-750 | #14-#2 |
| UH 750-6 SLR | 6 | 14⅝ | SL #14-#2 | | |

Dual-outlet connectors with street light port



Diagram



4/0 AWG outlets with 750 kcmil feeder

| Cat. no. | Wire range (AWG or kcmil) | | L (in.) | H (in.) |
|----------------|---------------------------|--------------------|---------|---------|
| | Feeder | Outlets | | |
| UH 750-240 SLR | 1/0-750, Tap #12-4/0, | (2) 4/0 (1) 750 | 5½ | 5½ |
| UH 750-440 SLR | S/L #14-#2 | (4) 4/0 (1) 750 | 8½ | |
| UH 750-640 SLR | | (6) 4/0 (1) 750 | 11½ | |

350 kcmil outlets with 750 kcmil feeder

| Cat. no. | Wire range (AWG or kcmil) | | L (in.) | H (in.) |
|----------------|---------------------------|--------------------|---------|---------|
| | Feeder | Outlets | | |
| UH 750-235 SLR | 1/0-750, Tap #6-350, | (2) 350 (1) 750 | 5⅝ | 6 |
| UH 750-435 SLR | S/L #14-#2 | (4) 350 (1) 750 | 9⅜ | |
| UH 750-635 SLR | | (6) 350 (1) 750 | 13⅜ | |

Flood-Seal® multi-port connectors

Aluminum Flood-Seal twin-screw mechanical connectors – UH 1000 series



UH 1000-4 R



UH 1000-22 R



UH 1000-242 R

Twin screws double the reliability of ordinary set-screw connectors.

- Flood-Seal insulating rockets field tested in more than 10 million applications, and serve as waterproof spare outlet caps until used as waterproof cable insulators
- All connectors are 100% hi-pot tested at 4000 V for 60 seconds
- Prefilled with oxide inhibitor to prevent oxidation and keep out moisture
- Aluminum-alloy connector construction for high strength and high conductivity
- Dual-rated to accept a wide range of copper or aluminum conductors
- Exceed ANSI C119.1 and C119.4 requirements as well as Western Underground Committee Guidelines

Twin-screw one-way configuration

| Cat. no. | Conductor range (AWG or kcmil) | Outlets | Length (in.) |
|-------------|--------------------------------|---------|---------------------------------|
| UH 1000-2 R | #2-1000 | 2 | 4 ¹³ / ₁₆ |
| UH 1000-4 R | | 4 | 9 ¹⁵ / ₁₆ |
| UH 1000-6 R | | 6 | 15 |
| UH 1000-8 R | | 8 | 20 ¹ / ₈ |

Note: For two-way configurations, please consult your ABB representative.

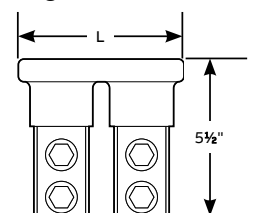
Twin-screw two-way configuration

| Cat. no. | Conductor range (AWG or kcmil) | Outlets |
|--------------|--------------------------------|---------|
| UH 1000-22 R | #2-1000 | 4 |
| UH 1000-33 R | | 6 |
| UH 1000-44 R | | 8 |
| UH 1000-55 R | | 10 |
| UH 1000-66 R | | 12 |
| UH 1000-88 R | | 16 |

UH 1000 series with 350 kcmil services

| Cat. no. | Conductor range (AWG or kcmil) | Outlets |
|---------------|--------------------------------|---------|
| UH 1000-21 R | Feeder #2-1000, | 3 |
| UH 1000-222 R | Tap #6-350 | 6 |
| UH 1000-242 R | | 8 |

Diagram



Flood-Seal® multi-port connectors

Aluminum Flood-Seal multi-port connectors – RAB series



RAB 1/0-21



RAB 1/0-3



RAB 6-C

High-performance, dual-rated connectors.

- Flood-Seal insulating rockets serve as waterproof spare outlet caps until used and are also resealable
- 6061-T6 aluminum connector construction provides high strength and high conductivity
- Dual-rated to accept a wide range of aluminum and copper conductors
- All connectors are 100% hi-pot tested at 4000 V for 60 seconds
- RAB 1/0 series offers compact design – great for street light applications
- RUS Accepted

RAB 1/0 series

| Cat. no. | Conductor range (AWG or kcmil) | Outlets | Length (in.) |
|------------|--------------------------------|---------|---------------------------------|
| RAB 1/0-2 | #14–1/0 | 2 | 1 ³ / ₄ |
| RAB 1/0-3 | | 3 | 2 ³⁹ / ₆₄ |
| RAB 1/0-4 | | 4 | 3 ⁷ / ₁₆ |
| RAB 1/0-5 | | 5 | 4 ⁹ / ₃₂ |
| RAB 1/0-6 | | 6 | 5 ¹ / ₈ |
| RAB 1/0-7 | | 7 | 5 ³¹ / ₃₂ |
| RAB 1/0-8 | | 8 | 6 ¹³ / ₁₆ |
| RAB 1/0-9 | | 9 | 7 ²¹ / ₃₂ |
| RAB 1/0-10 | | 10 | 8 ¹ / ₂ |
| RAB 1/0-21 | | 3 | 2 ³⁹ / ₆₄ |
| RAB 1/0-22 | | 4 | 3 ⁷ / ₁₆ |
| RAB 1/0-31 | | 4 | 3 ⁷ / ₁₆ |
| RAB 1/0-32 | | 5 | 4 ⁹ / ₃₂ |
| RAB 1/0-33 | | 6 | 5 ¹ / ₈ |
| RAB 1/0-42 | | 6 | 5 ¹ / ₈ |

Note: For oxide-inhibitor option, add “-C” suffix to the catalog number.

RAB 350 series

| Cat. no. | Conductor range (AWG or kcmil) | Outlets | Length (in.) |
|----------|--------------------------------|---------|----------------------------------|
| RAB 2-C | #12 sol.–350 | 2 | 2 ⁷ / ₁₆ |
| RAB 3-C | | 3 | 3 ⁵ / ₈ |
| RAB 4-C | | 4 | 4 ¹³ / ₁₆ |
| RAB 5-C | | 5 | 6 |
| RAB 6-C | | 6 | 7 ¹ / ₈ |
| RAB 8-C | | 8 | 9 ⁹ / ₁₆ |
| RAB 10-C | | 10 | 11 ¹⁵ / ₁₆ |

Note: The RAB 350 series comes standard with inward-seal rockets. For outward-seal rockets, please consult your ABB representative. Provided with oxide inhibitor.

01 For EZ Torque® shear-head screws supplied in all outlets, add “-TS” suffix to the catalog number.



01

Flood-Seal® multi-port connectors

Aluminum Flood-Seal multi-port connectors – RAB and USB series



USB43S

Ideal for direct-burial, pedestal or vault installations.

- Field-adaptable cable sleeves enable installation on a wide range of conductor sizes
- Standard aluminum set screws with 5/16" socket hex spread compressive forces over conductor strands, reduce strand damage, result in lower contact resistance and provide high set-screw torque retention
- Compact design enables installation in limited spaces
- Dual-rated to accept a wide range of aluminum and copper conductors
- All connectors are 100% hi-pot tested at 4000 V for 60 seconds

- Built tough for rugged conditions – tough enough to withstand rough handling in the field, have an excellent dielectric strength rating (>700 V/mil) and have excellent aging characteristics under continuous high operating temperatures (to 130 °C)
- All connectors have oxide inhibitor and silicone grease to keep out moisture and make installation easy and convenient
- Comply with ANSI C119.1 and C119.4 as well as Western Underground C.G. 2.5
- RAB series is RUS Accepted

RAB 500 series

| Cat. no. | Ports | Cable range (AWG or kcmil) | Length | |
|----------|-------|----------------------------|--------|-----|
| | | | in. | mm |
| RAB 35-C | 3 | #12–500 | 4.5 | 114 |
| RAB 45-C | 4 | | 6.0 | 152 |
| RAB 55-C | 5 | | 7.5 | 191 |
| RAB 65-C | 6 | | 9.0 | 229 |
| RAB 85-C | 8 | | 12.0 | 305 |

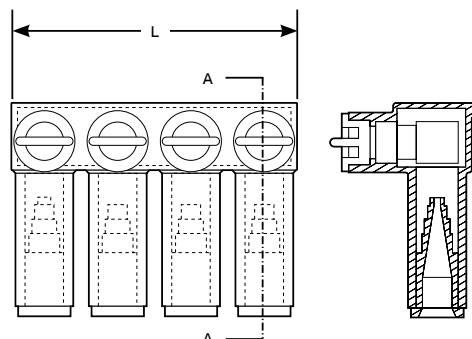
Note: Provided with oxide inhibitor.

USB 350 series

| Cat. no. | Ports | Cable range (AWG or kcmil) | Length | |
|----------|-------|----------------------------|--------|-----|
| | | | in. | mm |
| USB33S | 3 | #12–350 | 3.6 | 91 |
| USB43S | 4 | | 4.7 | 121 |
| USB53S | 5 | | 5.9 | 150 |
| USB63S | 6 | | 7.1 | 179 |
| USB83S | 8 | | 9.4 | 238 |

Note: Provided with oxide inhibitor.

Diagrams



01 For EZ Torque® shear-head screws supplied in all outlets, add "-TS" suffix to the catalog number.



01

Flood-Seal® multi-port connectors

Aluminum Flood-Seal multi-port connectors – RXL series



RXL 4-C



RXL 600-6-C



RXL 600-31-C

Universal use! Install in direct-burial, handhole, pedestal or vault applications.

- Wide port spacing makes installation easier
- Field-adaptable cable sleeves enable installation on a wide range of conductor sizes
- Bars constructed of 6061-T6 aluminum alloy for high strength and high conductivity
- Standard aluminum set screws with 5/16" socket hex spread compressive forces over conductor strands, reduce strand damage, result in lower contact resistance and provide high set-screw torque retention
- All connectors are 100% hi-pot tested at 4000 V for 60 seconds
- Comply with ANSI C119.1 and C119.4 and Western Underground C.G. 2.5 and are RUS Accepted
- Dual-rated to accept a wide range of aluminum and copper conductors

RXL 350 series

| Cat. no. | Outlets | Cable range (AWG or kcmil) | Length | |
|----------|---------|-------------------------------|--------|-----|
| | | | in. | mm |
| RXL 3-C | 3 | #12-350 | 4.3 | 109 |
| RXL 4-C | 4 | | 5.8 | 147 |
| RXL 5-C | 5 | | 7.3 | 185 |
| RXL 6-C | 6 | | 8.8 | 223 |
| RXL 8-C | 8 | | 11.8 | 299 |

Note: Provided with oxide inhibitor.

01 For EZ Torque® shear-head screws supplied in all outlets, add “-TS” suffix to the catalog number.



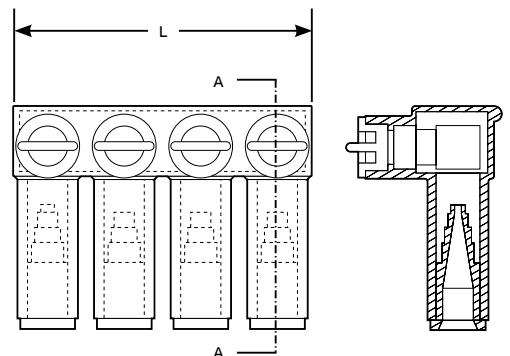
01

RXL 600 Series

| Cat. no. | Outlets | Cable range (AWG or kcmil) |
|--------------|---------|-------------------------------|
| | | |
| RXL 600-4-C | 4 | |
| RXL 600-5-C | 5 | |
| RXL 600-6-C | 6 | |
| RXL 600-31-C | 4 | |
| RXL 600-22-C | 4 | |
| RXL 600-33-C | 6 | |
| RXL 600-42-C | 6 | |

Note: Provided with oxide inhibitor.

Diagrams



Flood-Seal® multi-port connectors

Aluminum Flood-Seal multi-port connectors – RXM series



RXM 4



RXM 22



RXM 31

The fully insulated and watertight connectors for direct-burial, handhole, pedestal and overhead applications.

- Flood-Seal EPDM insulating rockets field tested in more than 10 million applications
- 6061-T6 aluminum connector construction provides high strength and high conductivity
- Dual-rated to accept a wide range of copper or aluminum conductors, from #2 AWG solid to 1000 kcmil
- Ball-bottom screws support the widest conductor range and aid in breaking up aluminum oxides
- EPDM rubber cap is easy to find, prevents accidental removal and can be easily removed with pliers
- All connectors are 100% hi-pot tested at 4000 V for 60 seconds

Cable entry one side only

| Cat. no. | Outlets | Length (in.) |
|----------|---------|--------------------------------|
| RXM 2 | 2 | 3 ¹ / ₆ |
| RXM 4 | 4 | 7 ¹ / ₄ |
| RXM 6 | 6 | 10 ⁷ / ₈ |
| RXM 8 | 8 | 14 ¹ / ₂ |
| RXM 10 | 10 | 18 ⁵ / ₈ |
| RXM 12 | 12 | 21 ³ / ₄ |

Cable entry from either side

| Cat. no. | Outlets | Length (in.) |
|----------|---------|--------------------------------|
| RXM 22 | 4 | 7 ¹ / ₄ |
| RXM 33 | 6 | 10 ⁷ / ₈ |
| RXM 44 | 8 | 14 ¹ / ₂ |
| RXM 66 | 12 | 21 ³ / ₄ |

Example: RXM 22 accommodates a maximum of four cables, accessible from either side.

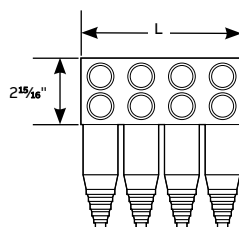
Custom orders

| Cat. no. | Outlets | Length (in.) |
|----------|---------|--------------------------------|
| RXM 31 | 4 | 7 ¹ / ₄ |
| RXM 42 | 6 | 10 ⁷ / ₈ |

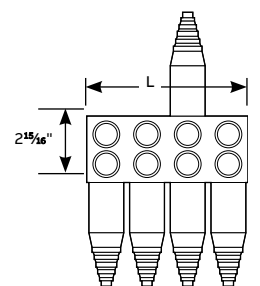
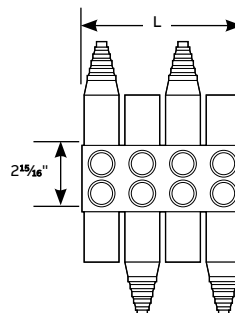
Order using first number for outlets needed on one side and second number for outlets needed on opposite side. For example, RXM 31 has three outlets on one side and one outlet on the other side.

For configurations up to a total of 12 outlets, please consult your ABB representative. Note: For oxide-inhibitor option, add "-C" suffix to the catalog number.

Diagrams



Cables enter from one side only



Flood-Seal® multi-port connectors

Aluminum Flood-Seal 95 series connectors



FS 95-6

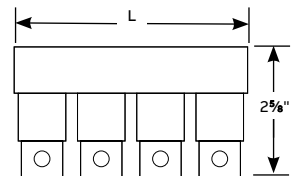
Suitable for direct burial or installation in an enclosure.

- Compact, single-hole design ideal for residential applications
- Dual-rated for use with aluminum or copper lugs from #12 AWG to 350 kcmil
- All outlets and lugs (see kits below) approved for full cable rating – safe and reliable
- All connectors are 100% hi-pot tested at 4000 V for 60 seconds
- RUS Accepted

95 series connectors

| Cat. no. | Outlets | Length (in.) |
|----------|---------|--------------|
| FS 95-2 | 2 | 2¾ |
| FS 95-3 | 3 | 4¼ |
| FS 95-4 | 4 | 5¾ |
| FS 95-5 | 5 | 7¼ |
| FS 95-6 | 6 | 8¾ |
| FS 95-7 | 7 | 10¼ |
| FS 95-8 | 8 | 11¾ |
| FS 95-9 | 9 | 13¼ |
| FS 95-10 | 10 | 14¾ |

Diagram



Flood-Seal® multi-port connectors

Flood-Seal 95 series terminal kits



CFB 350 CS

Kits have insulating outlet sleeve or heat-shrink sleeve and lug.

- Three die sets install the complete range of lugs, from #8 AWG to 350 kcmil
- Lugs prefilled with oxide-inhibiting compound and capped to prevent oxidation and keep out moisture

95 series terminal kits

| Force-fit kit Cat. no. | Heat-shrink kit Cat. no. | Cable size (AWG or kcmil) | | | | | Die reference |
|---------------------------|-----------------------------|---------------------------|------------|---------|-------|--|---------------|
| | | Concentric | Compressed | Compact | Solid | | |
| CFG 8 CS | CFG 8 HS | #8 | – | – | #6 | 5/8, BG, 687, 243, TU, 52, 8A | |
| CFG 6 CS | CFG 6 HS | #6 | #6 | #6 | – | | |
| CFG 4 CS | CFG 4 HS | #4 | #4 | #4 | – | | |
| CFG 2 CS | CFG 2 HS | #2 | #2 | #2 & #1 | #1 | | |
| CFG 1 CS | CFG 1 HS | #1 | #1 | 1/0 | 1/0 | | |
| CFG 1/0 CS | CFG 1/0 HS | 1/0 | 1/0 | 2/0 | 2/0 | | |
| CFK 1/0 CS | CFK 1/0 HS | 1/0 | 1/0 | 2/0 | 2/0 | 840, 324, 249, 658, TX, 76, 11A | |
| CFK 2/0 CS | CFK 2/0 HS | 2/0 | 2/0 | 3/0 | 3/0 | | |
| CFK 3/0 CS | CFK 3/0 HS | 3/0 | 3/0 | 4/0 | 4/0 | | |
| CFK 4/0 CS | CFK 4/0 HS | 4/0 | 4/0 | 250 | – | | |
| CFK 250 CS | CFK 250 HS | 250 | 250 | 300 | – | | |
| CFB 250 CS | CFB 250 HS | 250 | 250 | 300 | – | 1 1/8-1, 299–655, 96, 13A, 321, 326 | |
| CFB 300 CS | CFB 300 HS | 300 | 300 | 350 | – | | |
| CFB 350 CS | CFB 350 HS | 336.4–350 | 350 | 350 | – | | |

Note: For a hex-headed bolt, add “-H” suffix to the catalog number.

Force-fit kit includes (1) dual-rated aluminum center-formed lug, (1) 3/8" Allen head mounting bolt, (1) Belleville washer and (1) insulating Flood-Seal rocket.

Heat-shrink kit includes (1) dual-rated aluminum center-formed lug, (1) 3/8" Allen head mounting bolt, (1) Belleville washer and (1) heat-shrink tubing.

Flood-Seal® multi-port connectors

Aluminum Flood-Seal 125 series connectors



FSN 6-125



FS 22-48



FSN 22



FS 3-125

Choose one-way configuration or two-way configuration.

- Dual-rated for use with aluminum or copper lugs from #12 AWG to 500 kcmil
- Designed for maximum contact to ensure cooler operation and more reliable joints
- Outlets equipped with ½" hex-head bolts with captive Belleville washers to accept standard one- or two-hole NEMA aluminum or copper lugs
- All connectors are 100% hi-pot tested at 4000 V for 60 seconds
- All outlets approved for full cable rating – safe and reliable
- All Flood-Seal connectors comply with ANSI C119.4
- RUS Accepted

One-way configuration

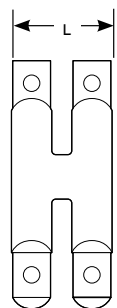
| One-bolt design Cat. no. | Two-bolt design Cat. no. | Outlets | L (in.) |
|-----------------------------|-----------------------------|---------|---------|
| FS 2-125 | FSN 2-125 | 2 | 3½ |
| FS 3-125 | FSN 3-125 | 3 | 5⅞ |
| FS 4-125 | FSN 4-125 | 4 | 7¼ |
| FS 5-125 | FSN 5-125 | 5 | 9⅞ |
| FS 6-125 | FSN 6-125 | 6 | 11 |
| FS 7-125 | FSN 7-125 | 7 | 12⅞ |
| FS 8-125 | FSN 8-125 | 8 | 14¾ |
| FS 9-125 | FSN 9-125 | 9 | 16⅝ |
| FS 10-125 | FSN 10-125 | 10 | 18½ |

Two-way configuration

| One-bolt design Cat. no. | Two-bolt design Cat. no. | Outlets | L (in.) |
|-----------------------------|-----------------------------|---------|---------|
| FS 11-48 | FSN 11 | 2 | 1½ |
| FS 22-48 | FSN 22 | 4 | 3⅞ |
| FS 33-48 | FSN 33 | 6 | 5¼ |
| FS 44-48 | FSN 44 | 8 | 7⅞ |
| FS 55-48 | FSN 55 | 10 | 8⅞ |
| FS 66-48 | FSN 66 | 12 | 10¾ |
| FS 77-48 | FSN 77 | 14 | 12⅝ |
| FS 88-48 | FSN 88 | 16 | 14½ |
| FS 99-48 | FSN 99 | 18 | 16⅞ |

Note: To order FSN series with Flood-Seal rockets included, add "-AWR" to catalog number. To order rockets separately, order catalog number CSN 2011 (one rocket per tower required).

Diagram



FSN 22

Flood-Seal® multi-port connectors

Aluminum Flood-Seal 125 series connectors – One- and two-hole type



One-way connectors with rubber insulation or two-way connectors with PVC insulation for #8 AWG to 500 kcmil cable.

- Designed for maximum contact to ensure cooler operation and more reliable joints
- Outlets equipped with ½" hex-head bolts with captive Belleville washers to accept standard one- or two-hole NEMA aluminum or copper lugs
- One- and two-way insulated connectors for #8 AWG to 500 kcmil cable
- All connectors are 100% hi-pot tested at 4000 V for 60 seconds
- All Flood-Seal connectors meet or exceed ANSI C119.4
- RUS Accepted

EPDM-insulated, one-way configuration

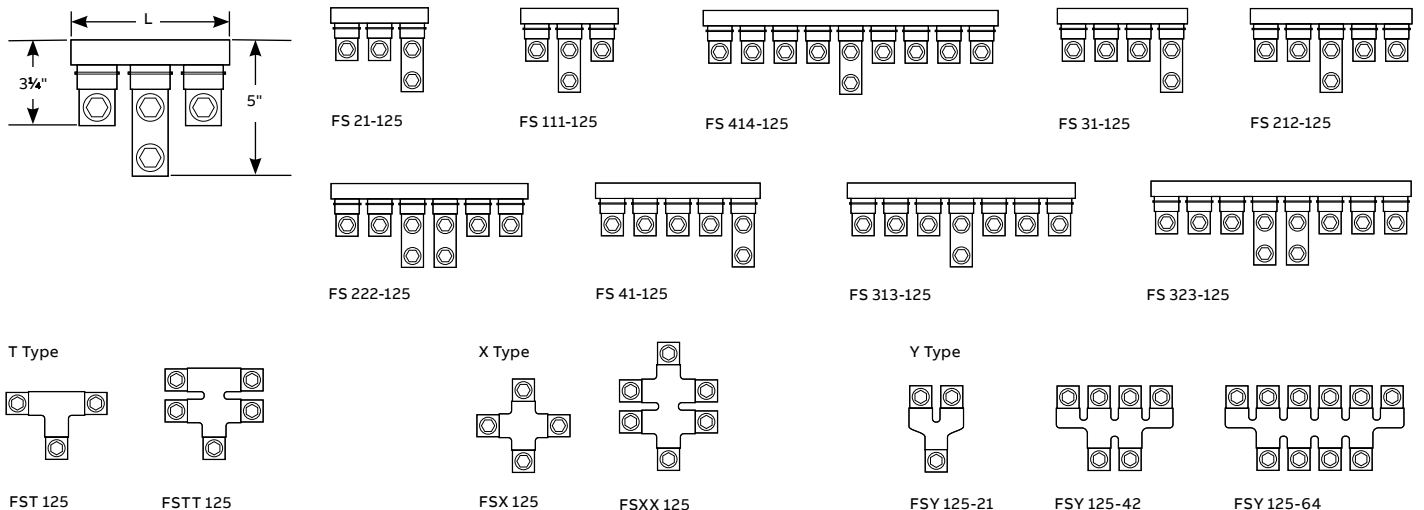
| Cat. no. | Outlets | Length (in.) |
|------------|---------|--------------------------------|
| FS 21-125 | 3 | 5 ³ / ₈ |
| FS 111-125 | 3 | 5 ³ / ₈ |
| FS 414-125 | 9 | 16 ⁵ / ₈ |
| FS 31-125 | 4 | 7 ¹ / ₄ |
| FS 212-125 | 5 | 9 ¹ / ₈ |
| FS 222-125 | 6 | 11 |
| FS 41-125 | 5 | 9 ¹ / ₈ |
| FS 313-125 | 7 | 12 ⁷ / ₈ |
| FS 323-125 | 8 | 14 ³ / ₄ |

Note: To order insulating sleeves for EPDM one-way connectors, see page 49.

PVC-insulated, two-way configuration

| Cat. no. | Outlets |
|------------|---------|
| FST 125 | 3 |
| FSTT 125 | 5 |
| FSX 125 | 4 |
| FSXX 125 | 6 |
| FSY 125-21 | 3 |
| FSY 125-42 | 6 |
| FSY 125-64 | 10 |

Diagrams



Flood-Seal® multi-port connectors

Flood-Seal bus connectors



Flood-Seal bus connectors

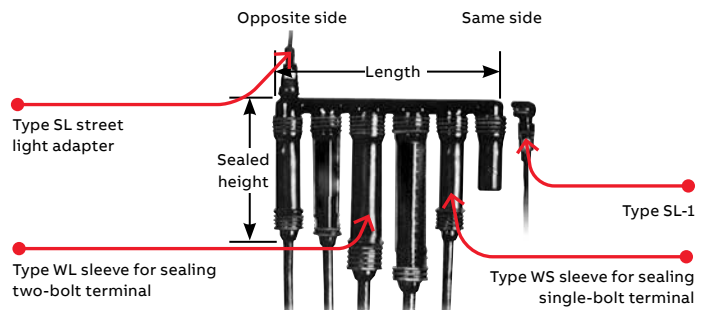
| Cat. no. | No. of ports | 2-Bolt large term. | 1-Bolt small term. | Dimensions in. (mm) | |
|----------|--------------|--------------------|--------------------|---------------------|--------------------|
| | | | | Length | Height with sleeve |
| UPC 20 | 2 | 0 | 2 | 3.3 (84) | 6.5 (165) |
| UPC 22 | 2 | 2 | 0 | 3.8 (97) | 8.8 (222) |
| UPC 30 | 3 | 0 | 3 | 5.2 (132) | 6.5 (165) |
| UPC 31 | 3 | 1 | 2 | 5.3 (135) | 8.8 (222) |
| UPC 33* | 3 | 3 | 0 | 5.9 (151) | 8.8 (222) |
| UPC 40 | 4 | 0 | 4 | 7.1 (179) | 6.5 (165) |
| UPC 41 | 4 | 1 | 3 | 7.3 (186) | 8.8 (222) |
| UPC 42 | 4 | 2 | 2 | 7.6 (192) | 8.8 (222) |
| UPC 44* | 4 | 4 | 0 | 8.1 (205) | 8.8 (222) |
| UPC 50 | 5 | 0 | 5 | 8.9 (227) | 6.5 (165) |

* For street light adapter option on the same side, add "-SL-1" suffix to catalog number.
 For street light adapter option on the opposite side, add "-SL" suffix to catalog number.
 Note: Maximum size conductor – single bolt: 350 kcmil; double bolt: 500 kcmil.
 For compression lugs, see the Blackburn® compression connectors catalog.

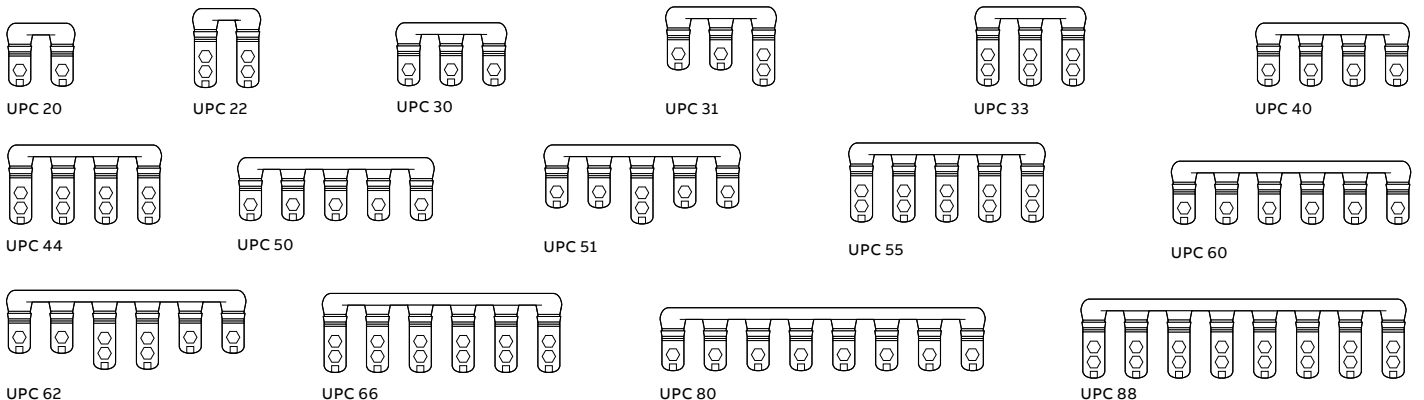
Get the port and terminal options you need for pedestal, vault, handhole or direct-burial applications.

- Flood-Seal EPDM sleeves feature waterproof O-ring sealing system
- Type WS sleeve seals single-bolt terminals and Type WL sleeve seals two-bolt terminals
- Indent on terminals mates with boss on compression lugs to prevent lugs from rotating
- All connectors are 100% hi-pot tested at 4000 V for 60 seconds

| Cat. no. | No. of ports | 2-Bolt large term. | 1-Bolt small term. | Dimensions in. (mm) | |
|----------|--------------|--------------------|--------------------|---------------------|--------------------|
| | | | | Length | Height with sleeve |
| UPC 51 | 5 | 1 | 4 | 9.2 (233) | 8.8 (222) |
| UPC 52 | 5 | 2 | 3 | 9.4 (240) | 8.8 (222) |
| UPC 55* | 5 | 5 | 0 | 10.2 (259) | 8.8 (222) |
| UPC 60 | 6 | 0 | 6 | 10.8 (248) | 6.5 (165) |
| UPC 61 | 6 | 1 | 5 | 11.1 (281) | 8.8 (222) |
| UPC 62 | 6 | 2 | 4 | 11.3 (287) | 8.8 (222) |
| UPC 66* | 6 | 6 | 0 | 12.3 (312) | 8.8 (222) |
| UPC 80 | 8 | 0 | 8 | 14.6 (370) | 6.5 (165) |
| UPC 81 | 8 | 1 | 7 | 14.8 (376) | 8.8 (222) |
| UPC 88* | 8 | 8 | 0 | 16.6 (421) | 8.8 (222) |



Diagrams



Flood-Seal® multi-port connectors

Connectors, adapter and sleeves

Submersible street light connectors



USL 11

Great for pedestal, vault, light pole base or direct-burial jobs.

- Rated for 600 V, 100 A – built for heavy-duty loads; helps bring power to nearly all types of street lights
- All connectors are 100% hi-pot tested at 4000 V for 60 seconds
- Dual-rated and approved for #12 AWG solid through #4 AWG stranded aluminum or copper connections

Submersible street light connectors

| Cat. no. | Ports | Width (in.) | Height w/ sleeve (in.) | Screw type |
|----------|-------|-------------|------------------------|------------|
| USL 11 | 2 | – | 6.3 | Slotted |
| USL 30 | 3 | 3.6 | 3.1 | Slotted |
| USL 11 H | 2 | – | 5.3 | Hex-socket |
| USL 30 H | 3 | 3.6 | 3.1 | Hex-socket |

Note: For contour-plated set-screw option that does not damage the conductor when tightened down, add “-H” suffix to the catalog number.

Street light adapter



Connect your small conductors to a Squid® bus junction.

- 356-T6 aluminum connector construction provides high strength and conductivity
- Dual-rated for small conductors – connect #10 AWG solid through #4 AWG stranded cables to a standard Squid® bus junction

Street light adapter

| Cat. no. | Description |
|----------|----------------------|
| SLA 1 | Street light adapter |

Squid® sealing sleeves



Make seals without tape, compound or heat source.

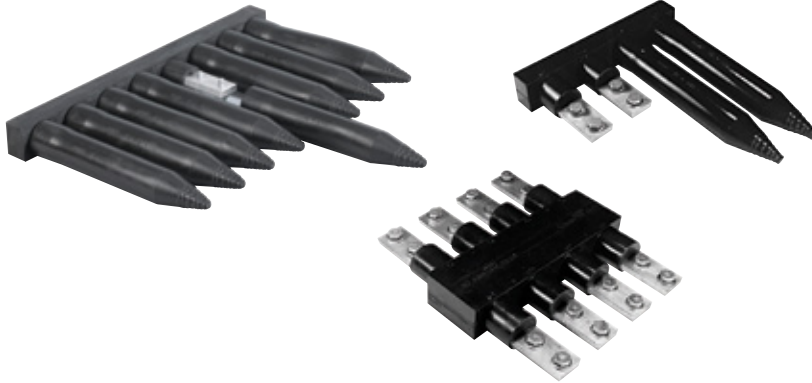
- EPDM rubber sealing sleeve grips the conductor insulation on one end and seals onto the insulated bus on the other end
- Sleeves provided with plug installed – can be used as terminal covers
- SC adapter available – perfect to use when #2 AWG compact standard 600 V underground service entrance cable has an insulation outer diameter less than 0.390"

Squid® sealing sleeves

| Cat. no. | For use on | Sealing range (cond. O.D. over insulation) | Length (in.) |
|----------|--|--|--------------------------------|
| WS 2 P | Single-bolt UPC, SCU | 0.4–0.9 | 6 ¹ / ₁₆ |
| WL 2 P | Two-bolt UPC, UPB, SCU | 0.4–0.9 | 8 ⁵ / ₁₆ |
| WL 3 P | UPC, UPB, SCU | 0.5–1.2 | 8 ⁵ / ₁₆ |
| WB 20 P | UB | 0.4–0.9 | 5 ³ / ₈ |
| SC | Small conductor adapter for WS, WL 2 and WB sleeves | 0.2–0.4 | – |
| WHB 3 P | UBC bus (large terminal) | 0.5–1.3 | 7 ³ / ₈ |
| SPL 6 | Squid type WL sleeves, for #6 AWG stranded through 4/0 AWG connections | 0.6–0.7 | – |

Flood-Seal® multi-port connectors

Aluminum Flood-Seal 175 series connectors



High-conductivity aluminum connectors.

- Robust design ideal for network and underground applications
- Connector made of extruded high-conductivity aluminum
- Precision-molded EPDM rubber insulation
- All connectors are 100% hi-pot tested at 4000 V for 60 seconds
- Accommodates select cable limiters
- Hardware included – ready for use

One-way configuration

| Diagram | Cat. no. | Outlets | L (in.) |
|---------|----------|---------|---------|
| | FS 175-2 | 2 | 6 |
| | FS 175-3 | 3 | 9 |
| | FS 175-4 | 4 | 12 |
| | FS 175-5 | 5 | 15 |
| | FS 175-6 | 6 | 18 |
| | FS 175-7 | 7 | 21 |
| | FS 175-8 | 8 | 24 |

Two-way configuration

| Diagram | Cat. no. | Outlets | L (in.) |
|---------|-------------|---------|---------|
| | FS 22-175 | 4 | 6 |
| | FS 33-175 | 6 | 9 |
| | FS 44-175 | 8 | 12 |
| | FS 55-175 | 10 | 15 |
| | FS 66-175 | 12 | 18 |
| | FS 88-175 | 16 | 24 |
| | FS 1010-175 | 20 | 27 |
| | FS 1212-175 | 24 | 30 |

Note: For special applications or a greater number of outlets, please consult your ABB representative. To order FS175 series with Flood-Seal rockets included, add "-AWR" to catalog number. To order rockets separately, order catalog number FS1175 or FS1175L (one rocket per tower required).

Accessories – sold separately

01 FS 1175 Flood-Seal EPDM rubber insulating sleeve covers the entire conductor range. Use the Flood-Seal 175 dual adapter kit (page 52) for two conductors per outlet.



01



02

02 AL-NTN series aluminum lugs, 1/0 AWG to 2000 kcmil. See the Blackburn® compression connectors catalog.

Flood-Seal® multi-port connectors

Copper Flood-Seal 175 series connectors



High-conductivity copper connectors.

- Robust design ideal for network and underground applications
- Precision molded EPDM rubber insulation
- All connectors are 100% hi-pot tested at 4000 V for 60 seconds
- Accommodates select cable limiters
- Hardware included – ready for use

One-way configuration

| Diagram | Cat. no. | Outlets | L (in.) |
|---------|-------------|---------|---------|
| | FS 175-2 CU | 2 | 6 |
| | FS 175-3 CU | 3 | 9 |
| | FS 175-4 CU | 4 | 12 |
| | FS 175-5 CU | 5 | 15 |
| | FS 175-6 CU | 6 | 18 |
| | FS 175-7 CU | 7 | 21 |
| | FS 175-8 CU | 8 | 24 |

Two-way configuration

| Diagram | Cat. no. | Outlets | L (in.) |
|---------|----------------|---------|---------|
| | FS 22-175 CU | 4 | 6 |
| | FS 33-175 CU | 6 | 9 |
| | FS 44-175 CU | 8 | 12 |
| | FS 55-175 CU | 10 | 15 |
| | FS 66-175 CU | 12 | 18 |
| | FS 88-175 CU | 16 | 24 |
| | FS 1010-175 CU | 20 | 27 |
| | FS 1212-175 CU | 24 | 30 |

Note: For special applications or a greater number of outlets, please consult your ABB representative. To order FS175 series with Flood-Seal rockets included, add "-AWR" to catalog number. To order rockets separately, order catalog number FS1175 or FS1175L (one rocket per tower required).

Accessories – sold separately

01 FS 1175 Flood-Seal EPDM rubber insulating sleeve covers the entire conductor range. Use the Flood-Seal 175 dual adapter kit (see following page) for two conductors per outlet.

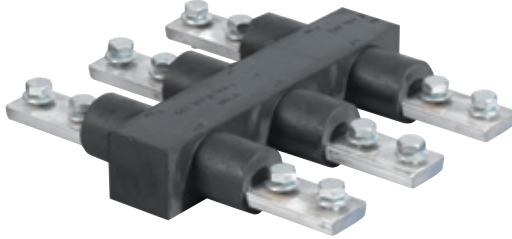


01

Flood-Seal® multi-port connectors

Flood-Seal 175 series bus connectors

01 FS 1175 Flood-Seal EPDM rubber insulating sleeve covers the entire conductor range. Order separately – please consult your ABB representative.



FXL 175 aluminum series – For two-hole NEMA lugs up to 1000 kcmil

| Cat. no. | Outlets |
|------------|---------|
| FXL 22-175 | 4 |
| FXL 33-175 | 6 |
| FXL 44-175 | 8 |
| FXL 66-175 | 12 |

Rubber insulation ensures a watertight connection.

- Outlets equipped with ½-13 UNC and accept hex-head screws with captive Belleville washers to accept two-hole NEMA aluminum or copper compression lugs
- All connectors are 100% hi-pot tested at 4000 V for 60 seconds

FXL 175 copper series – For two-hole NEMA lugs up to 1000 kcmil

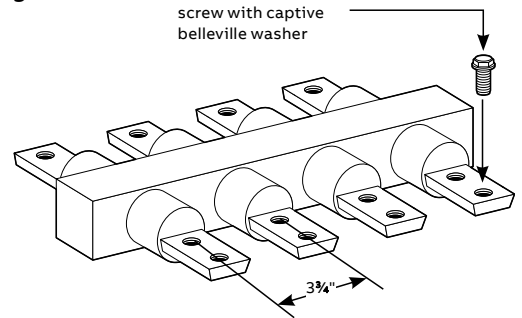
| Cat. no. | Outlets |
|---------------|---------|
| FXL 22-175 CU | 4 |
| FXL 33-175 CU | 6 |
| FXL 44-175 CU | 8 |
| FXL 66-175 CU | 12 |



01

Diagram

½-13 UNC hex-head screw with captive belleville washer



Flood-Seal 175 dual adapter kit



Flood-Seal 175 dual adapter kit

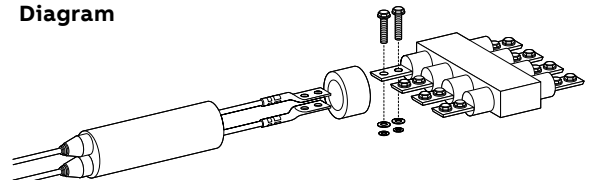
| Cat. no. | Description |
|------------|----------------------|
| FS 175 DPK | 175 dual adapter kit |

Note: Connector not included.

Adapter kit enables installer to pull two connections off one leg.

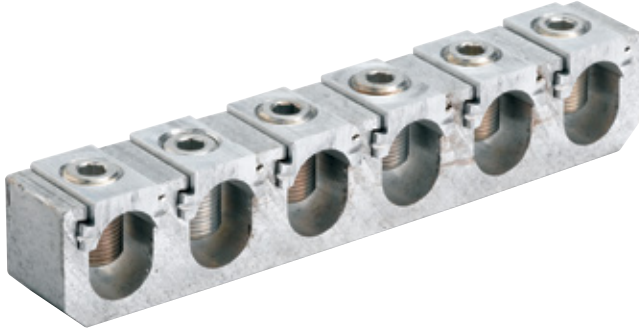
- Double cable capacity (500 kcmil max.)
- Rugged kit includes twin tower rocket, adapter ring and aluminum hardware

Diagram



Pedestal connectors and covers

Aluminum lay-in pedestal connectors



Effortlessly install or remove large, stiff cables in confined areas.

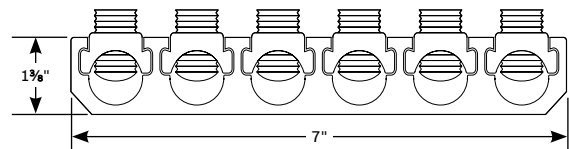
- Cables are easily placed into the keeper slot
- Minimizes the hassle and hazards of having to force cables into the closed cable ports found on conventional mechanical connectors
- Saves time and labor
- Requires only a cable stripper and Allen hex wrench – no crimping tools or dies or other special tools are needed for installation
- Dual-rated for use with aluminum or copper cable
- Ball-bottom screws ensure even force distribution in the cable/connector interface

ABCK series

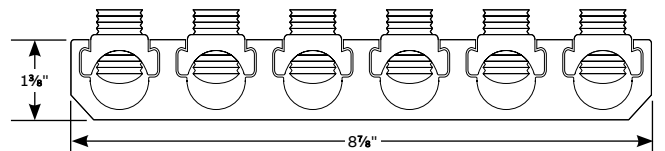
| Cat. no. | Conductor range (AWG or kcmil) | Outlets |
|---------------|--------------------------------|---------|
| ABCK 6350 | #6-350 | 6 |
| ABCK 6600 | #2-600 | |
| ABCK 6600 DS* | #2-600 | |

* "-DS" suffix indicates double set screws.

Diagrams



ABCK 6350



ABCK 6600

Pedestal connectors and covers

Aluminum set-screw bar pedestal connectors – Single-line bar



ABC 4350

Available with up to eight outlets for aluminum or copper conductors.

- Dual-rated to accept aluminum or copper conductors
- Ball-bottom screws ensure maximum conductor contact pressure and break up interstrand oxides
- Meets or exceeds ANSI C119.4 specifications

Single-line bar

| Cat. no. | Outlets | Length (in.) | Boot number | Cable range (AWG or kcmil) |
|----------|---------|---------------------------------|-------------|----------------------------|
| ABC 240 | 2 | 1 ¹¹ / ₁₆ | BB 10 | #6–250 |
| ABC 340 | 3 | 2 ⁹ / ₁₆ | BB 10 | |
| ABC 440 | 4 | 3 ⁷ / ₁₆ | BB 10 | |
| ABC 540 | 5 | 4 ⁵ / ₁₆ | BB 11 | |
| ABC 640 | 6 | 5 ³ / ₁₆ | BB 11 | |
| ABC 740 | 7 | 6 ¹ / ₁₆ | BB 12 | |
| ABC 840 | 8 | 6 ¹⁵ / ₁₆ | BB 12 | |
| ABC 2350 | 2 | 2 | BB 10 | #12–350 |
| ABC 3350 | 3 | 3 | BB 10 | |
| ABC 4350 | 4 | 4 | BB 10 | |
| ABC 5350 | 5 | 5 | BB 11 | |
| ABC 6350 | 6 | 6 | BB 11 | |
| ABC 7350 | 7 | 7 | BB 12 | |
| ABC 8350 | 8 | 8 | BB 12 | |

Note: For oxide-inhibitor option, add “-C” suffix to the catalog number.
 For street light-outlet option, add “-SL” suffix to the catalog number.
 For insulating covers, see page 59.
 For special applications, please consult your ABB representative.

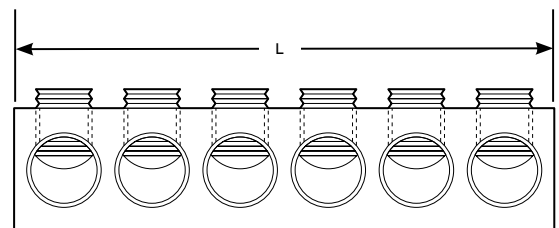
| Cat. no. | Outlets | Length (in.) | Boot number | Cable range (AWG or kcmil) |
|----------|---------|---------------------------------|-------------|----------------------------|
| ABC 2500 | 2 | 2 ¹ / ₁₆ | BB 10 | #6–500 |
| ABC 3500 | 3 | 3 ¹ / ₁₆ | BB 10 | |
| ABC 4500 | 4 | 4 ¹ / ₁₆ | BB 11 | |
| ABC 5500 | 5 | 5 ¹ / ₁₆ | BB 11 | |
| ABC 6500 | 6 | 6 ¹ / ₁₆ | BB 12 | |
| ABC 7500 | 7 | 7 ¹ / ₁₆ | BB 14 | |
| ABC 8500 | 8 | 8 ¹ / ₁₆ | BB 14 | |
| ABC 2750 | 2 | 2 ³ / ₄ | BB 10 | 1/0–750 |
| ABC 3750 | 3 | 4 ³ / ₁₆ | BB 13 | |
| ABC 4750 | 4 | 5 ⁹ / ₁₆ | BB 13 | |
| ABC 5750 | 5 | 7 | BB 12 | |
| ABC 6750 | 6 | 8 ³ / ₈ | BB 14 | |
| ABC 7750 | 7 | 9 ¹³ / ₁₆ | BB 15 | |
| ABC 8750 | 8 | 11 ³ / ₁₆ | BB 15 | |

01 For EZ Torque® shear-head screws supplied in all outlets, add “-TS” suffix to the catalog number.



01

Diagram



Pedestal connectors and covers

Aluminum set-screw bar pedestal connectors – Double-row bar



High-strength aluminum alloy maintains constant bolting pressure on conductors.

- Dual-rated to accept aluminum or copper conductors
- Ball-bottom screws ensure maximum conductor contact pressure and break up interstrand oxides
- Meets or exceeds ANSI C119.4 specifications

Double-row bar

| Cat. no. | Outlets | Length (in.) | Width (in.) | Boot no. | Cable range (AWG or kcmil) |
|------------|---------|---------------------------------|-------------------------------|----------|----------------------------|
| ABC 40-22 | 4 | 1 ⁵ / ₈ | 2 | BB 17 | #6-250 |
| ABC 40-33 | 6 | 2 ⁷ / ₁₆ | 2 | BB 17 | #6-250 |
| ABC 40-44 | 8 | 3 ³ / ₁₆ | 2 | FB 33* | #6-250 |
| ABC 350-22 | 4 | 2 ¹ / ₈ | 2 ¹ / ₂ | BB 17 | #12-350 |
| ABC 350-33 | 6 | 3 | 2 ¹ / ₂ | FB 33* | #12-350 |
| ABC 350-44 | 8 | 3 ¹⁵ / ₁₆ | 2 ³ / ₈ | FB 33* | #12-350 |
| ABC 500-22 | 4 | 2 ¹ / ₁₆ | 2 ³ / ₄ | FB 33* | #6-500 |
| ABC 500-33 | 6 | 3 ¹ / ₁₆ | 2 ³ / ₄ | FB 33* | #6-500 |
| ABC 500-44 | 8 | 4 ¹ / ₁₆ | 2 ³ / ₄ | -** | #6-500 |
| ABC 750-22 | 4 | 2 ³ / ₄ | 3 ¹ / ₄ | -** | 1/0-750 |
| ABC 750-33 | 6 | 4 ³ / ₁₆ | 3 ¹ / ₄ | -** | 1/0-750 |
| ABC 750-44 | 8 | 5 ⁹ / ₁₆ | 3 ¹ / ₄ | -** | 1/0-750 |

* EPDM Flexi-Boot, see page 59.

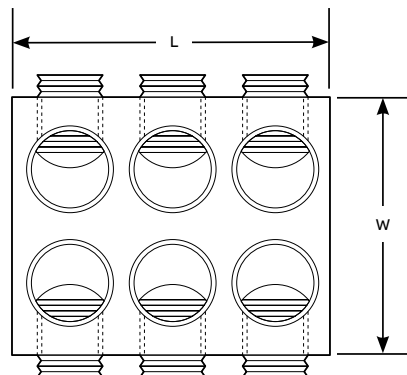
** For other insulating covers, please consult your ABB representative.

Note: For oxide-inhibitor option, add "-C" suffix to the catalog number.

For street light-outlet option, add "-SL" suffix to the catalog number.

For special applications, please consult your ABB representative.

Diagram



Pedestal connectors and covers

Aluminum pedestal connectors



ZVB 5053

Insulated and uninsulated pedestal connectors with up to 10 outlets.

- Compact Zeebar® design doubles cable capacity and reduces footprint
- ZVB series features clear PVC encapsulation to enable safe installations and disconnects – and provide insulation
- Easy to install – all screws are on top, and a $\frac{5}{16}$ " hex wrench is all you need
- Dual-rated to accept aluminum or copper conductors
- Ball-bottom screws ensure maximum conductor contact pressure and break up interstrand oxides
- Meets or exceeds ANSI C119.4 specifications

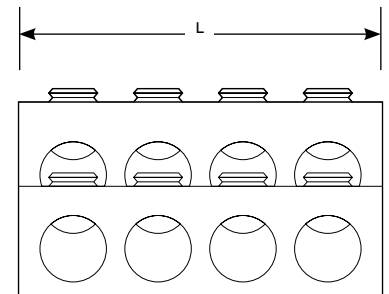
Insulated and uninsulated pedestal connectors

| Insulated Cat. no. | Uninsulated Cat. no. | Outlets | L (in.) | Cable range (AWG or kcmil) |
|-----------------------|-------------------------|---------|-------------------|-------------------------------|
| ZVB 2023 | ZBC 2023 | 4 | 2 $\frac{1}{4}$ | #12–350 |
| ZVB 3033 | ZBC 3033 | 6 | 3 $\frac{1}{4}$ | #12–350 |
| ZVB 4043 | ZBC 4043 | 8 | 4 $\frac{1}{4}$ | #12–350 |
| ZVB 5053 | ZBC 5053 | 10 | 5 $\frac{1}{4}$ | #12–350 |
| ZVB 2025 | ZBC 2025 | 4 | 2 $\frac{7}{16}$ | #6–500 |
| ZVB 3035 | ZBC 3035 | 6 | 3 $\frac{9}{16}$ | #6–500 |
| ZVB 4045 | ZBC 4045 | 8 | 4 $\frac{11}{16}$ | #6–500 |
| ZVB 5055 | ZBC 5055 | 10 | 5 $\frac{13}{16}$ | #6–500 |

Note: For oxide-inhibitor option, add "-C" suffix to the catalog number.

For a kit containing one uninsulated and two insulated connectors, add "-K" suffix to the catalog number.

Diagram



Pedestal connectors and covers

Insulated pedestal connector bars — Type PSB-C



Port-separated clear plastic cover provides insulation against accidental contact during installation.

- Bars are constructed of 6061-T6 aluminum alloy for strength and conductivity
- Standard aluminum set screws with 5/16" socket hex spread compressive forces over conductor strands, reduce strand damage, increase interstrand movement, result in lower contact resistance and provide high set-screw torque retention
- Dual-rated for use with aluminum or copper conductors
- Contax® oxide inhibitor standard in all conductor ports
- Meets ANSI C119.4 specifications
- RUS Accepted

350 series – Insulated PSB bars dual rated (Al-Cu)

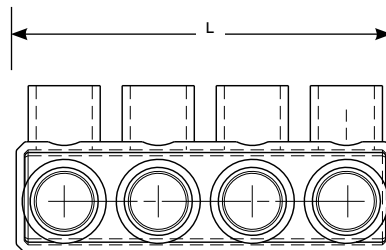
| Cat. no. | No. of ports | Cable range (AWG or kcmil) | Length (in.) |
|----------|--------------|----------------------------|--------------|
| PSB4359C | 4 | #12–350 | 4.34 |
| PSB6359C | 6 | | 6.43 |
| PSB8359C | 8 | | 8.53 |

500 series – Insulated PSB bars dual rated (Al-Cu)

| Cat. no. | No. of ports | Cable range (AWG or kcmil) | Length (in.) |
|----------|--------------|----------------------------|--------------|
| PSB4559C | 4 | #10–500 | 4.9 |
| PSB6559C | 6 | | 7.28 |
| PSB8559C | 8 | | 9.66 |

Note: For additional product options, contact your ABB representative.

Diagram



Pedestal connectors and covers

Insulated aluminum pedestal connectors



CLR 6350

See the connector through the transparent insulator.

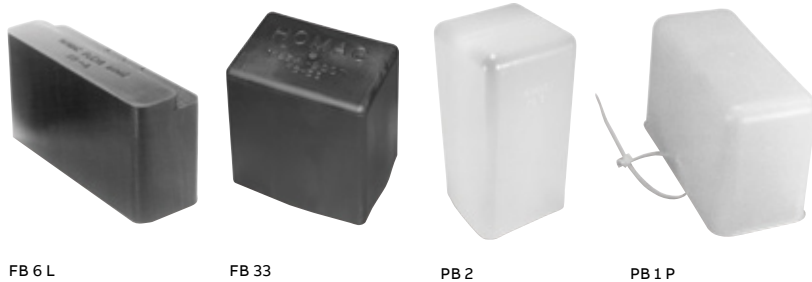
- Integral cover helps retain set screws – no lost parts to worry about
- Fully insulated with clear lock-on PVC cover
- RUS Accepted

Insulated aluminum pedestal connectors

| Cat. no. | Outlets | Wire range (AWG or kcmil) |
|----------|---------|---------------------------|
| CLR 340 | 3 | #12–4/0 |
| CLR 440 | 4 | |
| CLR 540 | 5 | |
| CLR 640 | 6 | |
| CLR 3350 | 3 | #12–350 |
| CLR 4350 | 4 | |
| CLR 5350 | 5 | |
| CLR 6350 | 6 | |

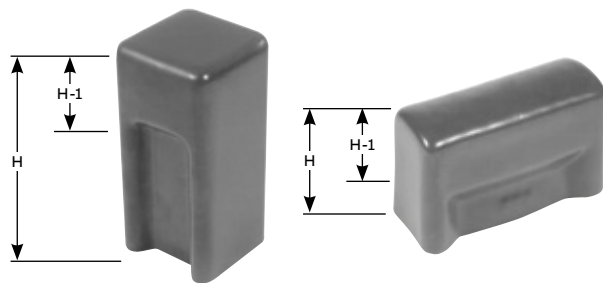
Pedestal connectors and covers

Insulating covers for set-screw bar pedestal connectors



Rugged insulating covers to protect pedestal connectors.

- FB 33 and FB 6 L feature EPDM rubber flexi-boot and flexible locking ribs
- Boot will not crack from cold embrittlement and will not degrade or soften due to heat
- Locking ribs prevent accidental removal of EPDM cover



EPDM rubber FB series

| Cat. no. | Height (in.) | Length (in.) | Width (in.) |
|----------|-----------------|-----------------|------------------|
| FB 33 | 5 $\frac{1}{4}$ | 4 $\frac{3}{4}$ | 3 $\frac{3}{8}$ |
| FB 6 L | 3 $\frac{1}{2}$ | 7 $\frac{1}{4}$ | 2 $\frac{1}{16}$ |

PVC BB series

| Cat. no. | Height (in.) | Height-1 (in.) | Length (in.) | Width (in.) |
|----------|------------------|-----------------|--------------------|------------------|
| BB 10 | 3 $\frac{5}{16}$ | 1 $\frac{3}{8}$ | 4 $\frac{1}{8}$ | 2 $\frac{1}{8}$ |
| BB 11 | 2 $\frac{7}{8}$ | 1 $\frac{3}{8}$ | 5 $\frac{7}{8}$ | 2 $\frac{1}{8}$ |
| BB 12 | 3 $\frac{3}{4}$ | 1 $\frac{7}{8}$ | 7 $\frac{3}{4}$ | 2 $\frac{1}{4}$ |
| BB 13 | 3 $\frac{3}{4}$ | 1 $\frac{7}{8}$ | 5 $\frac{15}{16}$ | 2 $\frac{3}{4}$ |
| BB 14 | 3 $\frac{3}{4}$ | 1 $\frac{7}{8}$ | 8 $\frac{5}{8}$ | 2 $\frac{3}{4}$ |
| BB 15 | 3 $\frac{3}{4}$ | 1 $\frac{7}{8}$ | 11 $\frac{11}{16}$ | 2 $\frac{3}{4}$ |
| BB 17 | 6 $\frac{7}{8}$ | 2 $\frac{1}{8}$ | 3 $\frac{1}{8}$ | 3 $\frac{1}{16}$ |

Polyethylene PB series

| Cat. no. | Height (in.) | Length (in.) | Width (in.) |
|----------|--------------|-----------------|------------------|
| PB 2 | 8 | 4 | 4 $\frac{3}{16}$ |
| PB 1 P | 4 | 6 $\frac{1}{4}$ | 2 $\frac{7}{8}$ |

Note: For cover sizes not listed, please consult your ABB representative.
All boots have a nominal wall thickness of $\frac{1}{8}$ ".
All sizes given for BB and PB series are inside dimensions.

Wildlife protectors



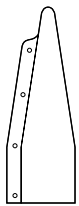
Protect wildlife and prevent interrupted service and lost revenue.

- Easy to install
- Reusable
- WL series are precision-molded in virgin PVC – contaminant-free, safe for contact with wildlife

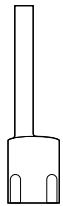
Wildlife protectors

| Cat. no. | Height (in.) | Width (in.) | Material |
|-----------------|--------------------------------|---------------------------------|---------------------------------|
| WL 3-12 | 12 | 3 | Gray PVC |
| WL 3.5-16 | 16 | 3½ | |
| WLP 10 T | 12 | 2 ¹¹ / ₁₆ | |
| WLP 10 T 18-1.5 | 21 ⁵ / ₈ | 2 ¹¹ / ₁₆ | |
| WLP 11 S | 11¼ | 3 | |
| WLP-CSP | 8¾ | 11 ³ / ₈ | |
| WL 6137 | 21 | 16½ | High-density black polyethylene |
| SQG 1212 | 14¾ | 14¾ | |

Diagrams



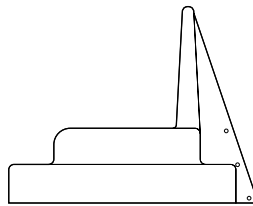
WL 3-12



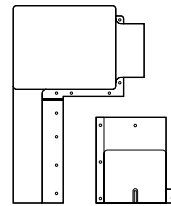
WLP 10 T



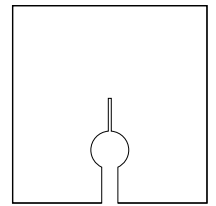
WLP 11 S



WLP-CSP



WL 6137



SQG 1212

Compression splice kits

Aluminum Flood-Seal® compression splice kits



RRK 500

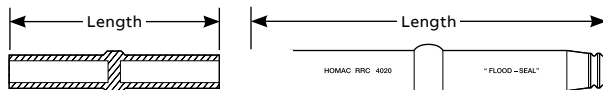
Reliable underground watertight repair splice with locking EPDM cover.

- Radiating rib design dissipates heat, centers the watertight insulating cover and seals perfectly every time
- Rubber Flood-Seal insulating cover fits snugly for maximum heat dissipation, no tape required
- Compact size allows you to install connectors on up to 4/0 AWG cable in only 10" of space using UT 3 M or UT 3 tools
- Prefilled with oxide inhibitor to prevent oxidation and keep out moisture
- Exceeds ANSI C119.4 requirements and is RUS Accepted

Aluminum Flood-Seal compression splice kits

| Cat. no. | Color code | Wire size (AWG or kcmil) | | Connector length (in.) | Insulator length (in.) | Installing dies | Strip length (in.) |
|------------|--------------|--------------------------|-----|------------------------|------------------------|-------------------------|--------------------|
| | | From | To | | | | |
| RRK 4 | Orange | #4 | #4 | 2 | 5½ | ½ (3) | 1 |
| RRK 2 | Red | #2 | #2 | 3 | 5½ | ⅝ (5) | 1½ |
| RRK 24 | Red/Orange | #2 | #4 | | | ⅝ (5) | |
| RRK 1 | Red | #1 | #1 | | | ⅝ (5) | |
| RRK 10 | Yellow | 1/0 | 1/0 | | | ⅝ (5) | |
| RRK 102 | Yellow/Red | 1/0 | #2 | | | ⅝ (5) | |
| RRK 20 | Gray | 2/0 | 2/0 | | | ⅝ (5) | |
| RRK 201 | Gray/Red | 2/0 | #1 | | | ⅝ (5) | |
| RRK 202 | Gray/Red | 2/0 | #2 | | | ⅝ (5) | |
| RRK 2010 | Gray/Yellow | 2/0 | 1/0 | | | ⅝ (5) | |
| RRK 30 | Black | 3/0 | 3/0 | 4¼ | 7¼ | ⅝ (7) | 2¼ |
| RRK 3010 | Black/Yellow | 3/0 | 1/0 | | | ⅝ (5) | |
| RRK 3020 | Black/Gray | 3/0 | 2/0 | | | ⅝ (7) | |
| RRK 40 | Pink | 4/0 | 4/0 | | | ⅝ (7) | |
| RRK 4010 | Pink/Yellow | 4/0 | 1/0 | | | ⅝ (7) | |
| RRK 4020 | Pink/Gray | 4/0 | 2/0 | | | ⅝ (7) | |
| RRK 4030 | Pink/Black | 4/0 | 3/0 | | | ⅝ (7) | |
| RRK 40-840 | Pink | 4/0 | 4/0 | 4½ | 7½ | 840, 249, 11A | 2½ |
| RRK 250 | None | 250 | 250 | | | 840, 249, 11A | |
| RRK 300 | None | 300 | 300 | | | 840, TX, 76, 249, 11A | |
| RRK 350 | None | 350 | 350 | | | 840, TX, 76, 249, 11A | |
| RRK 350300 | None | 350 | 300 | | | 840, TX, 76, 249, 11A | |
| RRK 35040 | None | 350 | 4/0 | | | 840, TX, 76, 249, 11A | |
| RRK 500 | None | 500 | 500 | 6¾ | 10¾ | 472, 655, 13A, 96, 1½-2 | 2½ |

Diagrams



Note: For copper splice kits, add "CU" suffix to the catalog number.

Compression splice kits

Aluminum heat-shrink compression splice kits



RRK 40 HS

Heat-shrink tubing creates sealed, watertight splices.

- Radiating rib design dissipates heat, centers the watertight insulating cover and seals perfectly every time
- Heavy-wall heat-shrink tubing enables you to crimp the two pieces of wire together, then heat the splice with a hot-air gun to get a fully sealed, watertight repair splice
- Prefilled with oxide inhibitor to prevent oxidation and keep out moisture
- Exceeds ANSI C119.4 requirements and is RUS Accepted

Aluminum heat-shrink compression splice kits

| Cat. No. | Color code | Wire size (AWG or kcmil) | | Connector length (in.) | Insulator length (in.) | Installing dies | Strip length (in.) |
|---------------|--------------|--------------------------|-----|------------------------|------------------------|-------------------------|--------------------|
| | | From | To | | | | |
| RRK 4 HS | Orange | #4 | #4 | 2 | 5½ | ½ (3) | 1 |
| RRK 2 HS | Red | #2 | #2 | 3 | 5½ | ⅝ (5) | 1½ |
| RRK 24 HS | Red/Orange | #2 | #4 | | | ⅝ (5) | |
| RRK 1 HS | Red | #1 | #1 | | | ⅝ (5) | |
| RRK 10 HS | Yellow | 1/0 | 1/0 | | | ⅝ (5) | |
| RRK 102 HS | Yellow/Red | 1/0 | #2 | | | ⅝ (5) | |
| RRK 20 HS | Gray | 2/0 | 2/0 | | | ⅝ (5) | |
| RRK 201 HS | Gray/Red | 2/0 | #1 | | | ⅝ (5) | |
| RRK 202 HS | Gray/Red | 2/0 | #2 | | | ⅝ (5) | |
| RRK 2010 HS | Gray/Yellow | 2/0 | 1/0 | | | ⅝ (5) | |
| RRK 30 HS | Black | 3/0 | 3/0 | 4¼ | 7¼ | ⅝ (7) | 2¼ |
| RRK 3010 HS | Black/Yellow | 3/0 | 1/0 | | | ⅝ (5) | |
| RRK 3020 HS | Black/Gray | 3/0 | 2/0 | | | ⅝ (7) | |
| RRK 40 HS | Pink | 4/0 | 4/0 | | | ⅝ (7) | |
| RRK 4010 HS | Pink/Yellow | 4/0 | 1/0 | | | ⅝ (7) | |
| RRK 4020 HS | Pink/Gray | 4/0 | 2/0 | | | ⅝ (7) | |
| RRK 4030 HS | Pink/Black | 4/0 | 3/0 | | | ⅝ (7) | |
| RRK 40-840 HS | Pink | 4/0 | 4/0 | 4¼ | 7¼ | 840, 249, 11A | 2½ |
| RRK 250 HS | None | 250 | 250 | | | 840, 249, 11A | |
| RRK 300 HS | None | 300 | 300 | | | 840, TX, 76, 249, 11A | |
| RRK 350 HS | None | 350 | 350 | | | 840, TX, 76, 249, 11A | |
| RRK 350300 HS | None | 350 | 300 | | | 840, TX, 76, 249, 11A | |
| RRK 35040 HS | None | 350 | 4/0 | | | 840, TX, 76, 249, 11A | |
| RRK 500 HS | None | 500 | 500 | 6¾ | 10¾ | 472, 655, 13A, 96, 1½-2 | 2¾ |

Note: Use the Homac UT 3 or UT 3 M tool for wire sizes up to 4/0 AWG.

Compression splice kits

Copper Flood-Seal® compression splice kits



RRK 2 CU



RRK 20 CU



RRK 250 CU



RRK 500 CU

Dissipate heat and make perfect watertight connections.

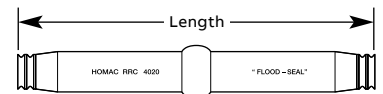
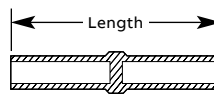
Homac copper Flood-Seal compression splice kits enable you to quickly make watertight copper-to-copper splice connections or repair copper service cables damaged by dig-ins or failures and restore their watertight integrity. The unique design of the splice/cover combination makes this the fastest and easiest watertight splicing solution available. The pre-greased insulating cover slides effortlessly onto the cable. After you've prepared the cable and crimped the splice, simply slide the cover back over the splice until it is positively centered and mates with the connector rib. That's it – no cutting, taping, heat guns or pull cords!

- Radiating rib dissipates heat, centers the watertight insulating cover and seals perfectly every time
- Single-piece Flood-Seal insulating covers are pre-lubricated and sized for the connection
- Easy installation saves you time and money
- Exceeds ANSI C119.1 requirements

Copper Flood-Seal compression splice kits

| Cat. no. | Wire size (AWG or kcmil) | Connector length (in.) | Insulator length (in.) | Installing dies | Strip length (in.) |
|------------|--------------------------|------------------------|------------------------|----------------------------------|--------------------|
| RRK 2 CU | #2 | 2 | 4 $\frac{1}{8}$ | TQ, 42, 163, $\frac{1}{2}$ | 1 |
| RRK 10 CU | 1/0 | 2 $\frac{1}{2}$ | 5 $\frac{1}{2}$ | TU, 52, BG, 243, $\frac{5}{8}$ | 1 $\frac{1}{8}$ |
| RRK 20 CU | 2/0 | 2 $\frac{1}{2}$ | 5 $\frac{1}{2}$ | TU, 52, BG, 243, $\frac{5}{8}$ | 1 $\frac{1}{8}$ |
| RRK 30 CU | 3/0 | 2 $\frac{1}{2}$ | 5 $\frac{1}{2}$ | TU, 52, BG, 243, $\frac{5}{8}$ | 1 $\frac{1}{8}$ |
| RRK 40 CU | 4/0 | 2 $\frac{5}{8}$ | 7 $\frac{1}{4}$ | TW-TY, 54, 243 | 1 $\frac{1}{4}$ |
| RRK 250 CU | 250 | 2 $\frac{5}{8}$ | 7 $\frac{1}{2}$ | 840, 76, 249 | 1 $\frac{1}{4}$ |
| RRK 350 CU | 350 | 2 $\frac{5}{8}$ | 7 $\frac{1}{2}$ | 840, 76, 249 | 1 $\frac{1}{4}$ |
| RRK 500 CU | 500 | 3 $\frac{3}{4}$ | 9 $\frac{1}{2}$ | 96, 472, 655, 1 $\frac{1}{8}$ -2 | 1 $\frac{3}{4}$ |

Diagrams



Compression splice kits

Aluminum Flood-Seal® compression splice kits



FSK 500

Dual-rated kits approved for a wide range of aluminum or copper connections.

- All kits include one submersible splice cover and one aluminum compression splice to ensure a fully insulated, watertight repair splice, no tape required
- Prefilled with oxide inhibitor and capped to prevent oxidation and keep out moisture.

Aluminum Flood-Seal compression splice kits

| Cat. no. | Wire size (AWG or kcmil) | | Splice cover |
|---------------|--------------------------|-----|--------------|
| | From | To | |
| FSK 4 | #4 | #4 | FSS 20 |
| FSK 2 | #2 | #2 | |
| FSK 1 | #1 | #1 | |
| FSK 1/0 | 1/0 | 1/0 | |
| FSK 1/0 R 2 | 1/0 | #2 | |
| FSK 2/0 R 1/0 | 2/0 | 1/0 | |
| FSK 2/0 | 2/0 | 2/0 | |
| FSK 4/0 R 2/0 | 4/0 | 2/0 | FSS 350 |
| FSK 3/0 | 3/0 | 3/0 | |
| FSK 4/0 | 4/0 | 4/0 | |
| FSK 250 | 250 | 250 | |
| FSK 300 | 300 | 300 | |

Note: For kits with copper splices or with open-ended splice covers, please consult your ABB representative.

| Cat. no. | Wire size (AWG or kcmil) | | Splice cover |
|----------------|--------------------------|------|--------------|
| | From | To | |
| FSK 350 R 4/0 | 350 | 4/0 | FSS 500 |
| FSK 350 | 350 | 350 | |
| FSK 400 | 400 | 400 | |
| FSK 500 R 4/0 | 500 | 4/0 | |
| FSK 500 R 350 | 500 | 350 | |
| FSK 500 | 500 | 500 | |
| FSK 600 | 600 | 600 | |
| FSK 750 | 750 | 750 | FSS 1000 |
| FSK 750 R 500 | 750 | 500 | |
| FSK 1000 R 500 | 1000 | 500 | |
| FSK 1000 R 750 | 1000 | 750 | |
| FSK 1000 | 1000 | 1000 | |

Compression splice kits

In-line compression splice kits



ULSK 500 HS



ULSK 4/0

Heat-shrink ULSK-HS series, pre-sized heat-shrink tubing included



| Cat. no. | Conductor size (AWG or kcmil) |
|--------------|-------------------------------|
| ULSK 6 HS | #6 |
| ULSK 4 HS | #4 |
| ULSK 2 HS | #2 |
| ULSK 1 HS | #1 |
| ULSK 1/0 HS | 1/0 |
| ULSK 2/0 HS | 2/0 |
| ULSK 3/0 HS | 3/0 |
| ULSK 4/0 HS | 4/0 |
| ULSK 250 HS | 250 |
| ULSK 300 HS | 300 |
| ULSK 350 HS | 350 |
| ULSK 400 HS | 400 |
| ULSK 500 HS | 500 |
| ULSK 600 HS | 600 |
| ULSK 750 HS | 750 |
| ULSK 800 HS | 800 |
| ULSK 1000 HS | 1000 |

Note: For reducing kits, please contact your ABB representative.

Flood-Seal ULSK series

| Cat. no. | Conductor size (AWG or kcmil) | Splice cover |
|-----------|-------------------------------|--------------|
| ULSK 8 | #8 | FSS 20 |
| ULSK 6 | #6 | |
| ULSK 4 | #4 | |
| ULSK 2 | #2 | |
| ULSK 1 | #1 | |
| ULSK 1/0 | 1/0 | |
| ULSK 2/0 | 2/0 | FSS 350 |
| ULSK 3/0 | 3/0 | |
| ULSK 4/0 | 4/0 | |
| ULSK 250 | 250 | |
| ULSK 300 | 300 | FSS 500L |
| ULSK 350 | 350 | |
| ULSK 400 | 400 | |
| ULSK 500 | 500 | |
| ULSK 600 | 600 | FSS 1000 |
| ULSK 750 | 750 | |
| ULSK 800 | 800 | |
| ULSK 1000 | 1000 | |

Dual-rated kits include submersible splice cover.

- Heat-shrink kits include pre-sized heat-shrink tubing enabling you to crimp the two cables together, then heat the splice with a hot-air gun to get a fully sealed, watertight repair splice
- Flood-Seal® kits include one submersible splice cover that fits snugly for maximum heat dissipation and creates a fully insulated, watertight repair splice
- Dual-rated and approved for a wide range of aluminum or copper connections
- Prefilled with oxide inhibitor and capped to prevent oxidation and keep out moisture

Compression splice kits

Copper in-line compression splice kits



Make copper splices using kits with either a rubber insulating cover or heat-shrink tubing.

- Flood-Seal® kits include a rubber insulating cover that fits snugly for maximum heat dissipation
- Heat-shrink kits include pre-sized heat-shrink tubing, enabling you to crimp the two pieces of wire together, then heat the splice with a hot-air gun to get a fully sealed, watertight repair splice
- Connectors have a center cable stop to ensure equal cable insertion

Heat-shrink ULCK-HS series, pre-sized heat-shrink tubing included



| Cat. no. | Conductor size (AWG or kcmil) |
|--------------|----------------------------------|
| ULCK 8 HS | #8 |
| ULCK 6 HS | #6 |
| ULCK 4 HS | #4 |
| ULCK 2 HS | #2 |
| ULCK 1 HS | #1 |
| ULCK 1/0 HS | 1/0 |
| ULCK 2/0 HS | 2/0 |
| ULCK 3/0 HS | 3/0 |
| ULCK 4/0 HS | 4/0 |
| ULCK 250 HS | 250 |
| ULCK 300 HS | 300 |
| ULCK 350 HS | 350 |
| ULCK 400 HS | 400 |
| ULCK 500 HS | 500 |
| ULCK 600 HS | 600 |
| ULCK 750 HS | 750 |
| ULCK 1000 HS | 1000 |

Note: For kits with open-ended splice covers, for splices not shown or for reducing kits, please consult your ABB representative.

Flood-Seal ULCK series

| Cat. no. | Conductor size (AWG or kcmil) | Splice cover |
|-----------|----------------------------------|--------------|
| ULCK 8 | #8 | FSS 20 |
| ULCK 6 | #6 | |
| ULCK 4 | #4 | |
| ULCK 2 | #2 | |
| ULCK 1 | #1 | |
| ULCK 1/0 | 1/0 | |
| ULCK 2/0 | 2/0 | FSS 350 |
| ULCK 3/0 | 3/0 | |
| ULCK 4/0 | 4/0 | |
| ULCK 250 | 250 | |
| ULCK 300 | 300 | FSS 500L |
| ULCK 350 | 350 | |
| ULCK 400 | 400 | |
| ULCK 500 | 500 | |
| ULCK 600 | 600 | FSS 1000 |
| ULCK 750 | 750 | |
| ULCK 800 | 800 | |
| ULCK 1000 | 1000 | |

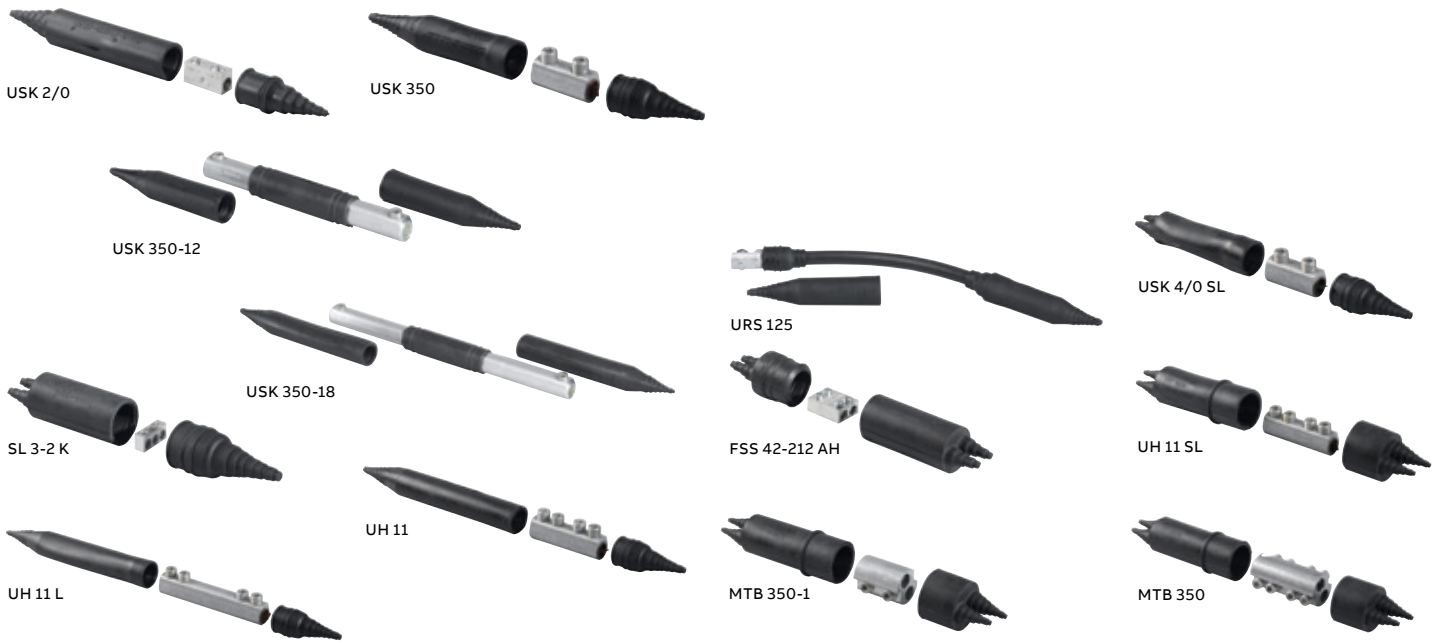
Aluminum mechanical splice kits

Aluminum Flood-Seal® mechanical splice kits

Range taking – no compression tools and dies required.

- Prefilled with oxide inhibitor to prevent oxidation and keep out moisture
- Dual-rated and approved for use with aluminum or copper conductors

- EPDM rubber splice covers ensure a fully insulated, watertight repair splice – there's no taping, heat shrink or mastic required
- Sized for most conductors perfect for repairing any 2-, 3- or 4-wire installation
- RUS Accepted



Two-wire kits

| Cat. no. | Conductor range (AWG or kcmil) | Connector length (in.) | Number of screws per side |
|----------------------------|--------------------------------|------------------------|---------------------------|
| USK 2/0 (slotted screw) | #14–2/0 | 1½ | 1 |
| USK 2/0 AH | | 1½ | |
| USK 4/0 | #4–4/0 | 2 | |
| USK 350* | #6–350 | 2¾/16 | |
| USK 350-4 | | 4 | |
| USK 350-12*† | | 12 | |
| USK 350-18*† | | 18 | |
| UH 11 | | 4¾/16 | 2 |
| UH 11 L† | | 6½ | |
| USK 350-12 DS | | 12 | |
| USK 350-18 DS† | | 18 | |
| USK 500 | #2–500 | 4¾/16 | |
| USK 500 L† | | 7½ | |
| USK 500-12† | | 12 | |
| USK 500-16† | | 16 | |
| USK 750 | 250–750 | 16¾/16 | |

* UL Listed. † Repair kits.

Kits

| Cat. no. | Conductor range (AWG or kcmil) | Connector length (in.) |
|-------------------------------------|---|------------------------|
| Compression-type repair kits | | |
| URS 125 | #2–350 (standard one-hole lugs) | 17½ |
| Three-wire kits | | |
| SL 3-2 K | #4–#14 Cu / #2–#14 Al | 3 |
| USK 4/0 SL | Side "A" (#6–350), Side "B" (1/0–4/0 with #6–#14 sol. tap) | Accommodates 3 wires |
| Four-wire kits | | |
| FSS 42-212 AH | #2–#12 | 4 |
| UH 11 SL | Side "A" (#6–350), Side "B" (1/0–4/0 with #6–#14 sol. tap) | Accommodates 4 wires |
| MTB 350-1 | #6–350 | 4 |
| MTB 350 | | |

Aluminum mechanical splice kits

Aluminum Flood-Seal® inline watertight splice kits

—
01 RABS 35012 universal
range-taking splice

—
02 RABS 350250, RABS
4010 and RABS 16
no-cut style splices



—
01



—
02

Watertight connections made easy – no tools, tape or heat shrinking!

Homac Flood-Seal inline watertight splice kits enable you to make watertight splice connections quickly – without the need for time-consuming compression tools, insulating tape or heat-shrink insulation.

- Flood-Seal technology provides superior insulating, waterproofing and UV-resistant performance without tape or shrinks – no heat guns or pull cords
- Rubber-insulated aluminum splices feature mechanical set-screw connections for fast, easy installation resulting in lower installed cost
- Cat. no. RABS 35012 universal range-taking splice accommodates aluminum and copper conductor sizes from #12 AWG to 350 kcmil with only one SKU
- Three dual-rated splices accommodate a wide range of aluminum and copper conductor sizes and require no cutting of insulator for fast, easy installation
- Suitable for direct burial, handhole and overhead applications
- Exceeds ANSI C119.1 requirements

Universal range-taking dual-rated splice

| Cat. no. | Conductor size and sealing range (AWG or kcmil) |
|------------|---|
| RABS 35012 | #12–350 |

No-cut style dual-rated splices

| Cat. no. | Conductor size and sealing range (AWG or kcmil) |
|-------------|---|
| RABS 16 | #6–#1 |
| RABS 4010 | 1/0–4/0 |
| RABS 350250 | 250–350 |

Insulating covers and end caps

Flood-Seal® insulating covers



Watertight, fully insulated covers for a variety of splice applications.

- Sizes for most conductors – perfect for copper or aluminum conductors ranging from #14 AWG to 1500 kcmil
- Easy-to-install, waterproof twin-tap covers
- Cut the proper cable rings at each end of the twin-tap cover and slide cover halves over cables; the cover halves are mated, enclosing the compression tap in a waterproof seal
- Eliminates taping to significantly reduce labor and material cost of splice preparation
- Rated 600 volts – built for heavy-duty loads
- RUS Accepted

FSS series



| Diagram | Cat. no. | Conductor range (AWG or kcmil) | | Cable insulation diameter range (in.) | L (in.) |
|---------|-------------|--------------------------------|----------|---------------------------------------|---------------------------------|
| | | Copper | Aluminum | | |
| | FSS 20 | #14–2/0 | #14–2/0 | 0.150–0.600 | 2 ³ / ₄ |
| | FSS 20 L | #14–2/0 | #14–2/0 | 0.150–0.600 | 3 ⁵ / ₈ |
| | FSS 350 | #14–350 | #14–350 | 0.150–0.980 | 4 ⁷ / ₁₆ |
| | FSS 350 L | #14–350 | #14–350 | 0.150–0.980 | 7 ¹ / ₂ |
| | FSS 500 | #14–500 | #14–500* | 0.150–1.175 | 4 ⁷ / ₁₆ |
| | FSS 500 L | #14–500 | #14–500 | 0.150–1.175 | 7 ⁵ / ₈ |
| | FSS 1000 S | #2–1000 | #2–750 | 0.370–1.600 | 5 |
| | FSS 1000 | #2–1000 | #2–1000 | 0.370–1.600 | 10 |
| | FSS 1000-16 | #2–1000 | #2–1000 | 0.370–1.600 | 13 ³ / ₁₆ |
| | FSS 1000 L | #2–1500 | #2–1000 | 0.370–1.600 | 18 ³ / ₈ |

* For 500 kcmil aluminum, remove liner from cap.

Twin-tap*

| Diagrams | Cat. No. | Conductor range (AWG or kcmil) | | |
|----------|--------------|--------------------------------|---------|---------|
| | | A | B | C |
| | FSS 1010-4 | #14–1/0 | #14–1/0 | – |
| | FSS 4010-4 | #14–250 | #14–1/0 | – |
| | FSS 4010-4 L | #8–250 | #14–1/0 | – |
| | FSS 4040 | #14–500 | #14–250 | #14–250 |
| | FSS 4040 L | #14–500 | #8–250 | #14–2/0 |
| | FSS 5010 | #14–500 | #14–2/0 | #14–2/0 |
| | FSS 5035 | #2–1500 | #14–500 | #14–400 |
| | FSS 5035-4 | #14–500 | #14–400 | – |

* Not UL Listed.

Insulating covers and end caps

Flood-Seal® cable end caps



Cap off your cable with our cable end caps.

- EPDM rubber construction and multiple internal sealing ring design enables each cap to fit wide decimal range
- Reusable to save money
- Durable and unaffected by sun, rain or soil
- Tight fitting to prevent accidental removal
- Watertight – doesn't require tape, compound or heat source for fitting
- Dielectrically tested to ANSI C119.1 requirement (2,200 volts AC for one minute)

Cable end caps – 660 V cable application

| Diagram | Cat. no. | L (in.) | Cable size decimal range | | | | Cable size (AWG or kcmil) | | | | | |
|---------|----------|---------|--------------------------|-------|------|------|---------------------------|--------|------------|------|---------|------------------------------|
| | | | in. | | mm | | Concentric | | Compressed | | Compact | |
| | | | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. |
| | CAP 35 | ¾ | 0.250 | 0.425 | 6.4 | 10.8 | #6 | #2 | #6 | #2 | #6 | #2 |
| | CAP 45 | 7/8 | 0.360 | 0.562 | 9.1 | 14.3 | #2 | 1/0 | #2 | 1/0 | #2 | 2/0 |
| | CAP 55 | 1 | 0.455 | 0.626 | 11.6 | 15.9 | #1 | 3/0 | #1 | 3/0 | #1 | 3/0 |
| | CAP 65 | 1¼ | 0.575 | 0.750 | 14.6 | 19.0 | 2/0 | 250 | 3/0 | 300 | 3/0 | 300 |
| | CAP 85 | 1¾ | 0.720 | 0.973 | 18.3 | 24.7 | 250 | 400 | 350 | 400 | 250 | 400 |
| | CAP 95* | 1⅞ | 0.970 | 1.185 | 24.6 | 30.1 | 500 | 700 | 500 | 750 | 600 | 800 |
| | CAP 105* | 2⅞ | 1.120 | 1.400 | 28.4 | 35.6 | 750 | 1000 | 750 | 1000 | 800 | 1000 |
| | CAP 125* | 2¾ | 1.200 | 1.475 | 30.5 | 37.5 | 750 | 1000 | 750 | 1000 | 800 | 1000 |
| | CAP 130* | 2½ | 1.390 | 1.650 | 35.3 | 41.9 | 1233.7 | 1250 | – | – | – | – |
| | CAP 135* | 2⅝ | 1.465 | 1.750 | 37.2 | 44.5 | 1500 | 1578.8 | – | – | – | – |
| | CAP 145* | 2⅞ | 1.650 | 1.925 | 41.9 | 49.0 | 1973.5 | 2000 | – | – | – | – |
| | CAP 150* | 3 | 1.860 | 2.230 | 47.2 | 56.6 | | | | | | Fits high-voltage cable only |
| | CAP 155* | 3 | 2.150 | 2.500 | 54.6 | 63.5 | | | | | | Fits high-voltage cable only |

* Indicates cap with internal protective button.

Note: Conductor ranges shown are for outer diameter over cable insulation.
For cable sizes not listed, please consult your ABB representative.

Pipe and conduit seals


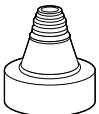
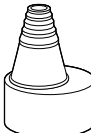
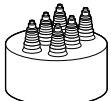


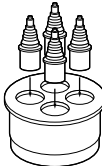
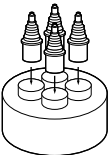

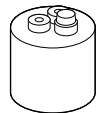
Flood-Seal® pipe/conduit seals



Rubber-insulated end caps for commercial pipes and conduits.

- Flood-Seal EPDM rubber seals out water, insects, rodents and dirt
- Durable and unaffected by sun, rain or soil
- Ideal for installations or cable replacements
- Tight fitting to prevent accidental removal

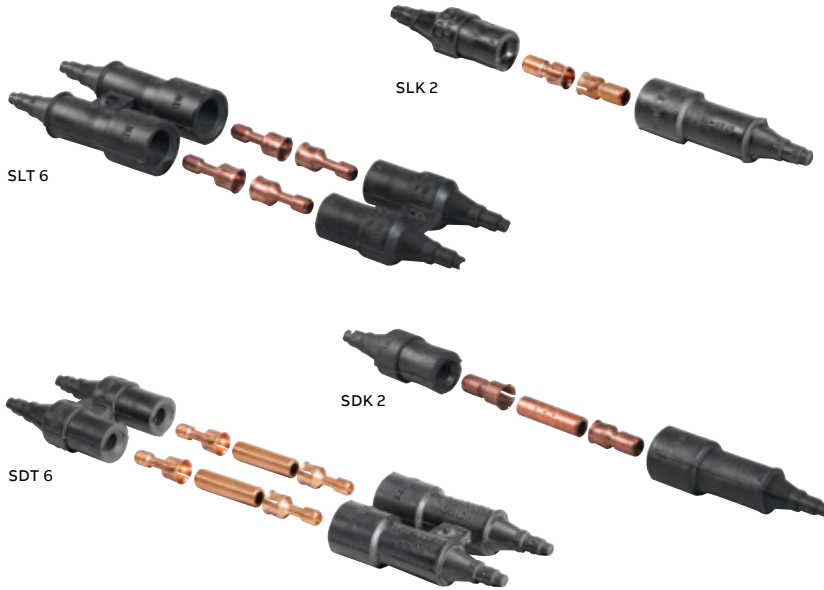
Flood-Seal® pipe/conduit seals

| Diagrams | Cat. no. | Pipe size | | Conductor (AWG or kcmil) | Ranges | | Outside body length (in.) |
|--|------------|-----------|-------|----------------------------------|-------------------------------|---------------------------------|---------------------------|
| | | (IPS) | Style | | Decimal | | |
|  Style 1 No Outlets | CIC 75-3 | ¾ | 10 | #14-#10 | - | 1½ | |
| | CIC 50-3 | ½ | 10 | #14-#10 | - | 1¾ | |
|  Style 2 1 Outlet | CIC 1-4 | 1 | 4 | (4)#14-#4 | SL-0.380 | 2 ¹³ / ₃₂ | |
| | CIC 150 | 1½ | 5 | - | 0.720-1.200 | 1¾ | |
|  Style 3 1 Outlet | CIC 15-320 | | 6 | (3)#2-2/0 | 0.370-0.580 | 1¾ | |
| | CIC 15-420 | | 6 | (4)#2-2/0 | 0.370-0.580 | 1¾ | |
|  Style 4 2, 3, 4 or 6 Outlets | C-5230 | 2 | 4 | (2)#14-350, (1)#14-1/0 | SL-0.910, SL-0.540 | 1½ | |
| | C-5035 | | 4 | (1)#14-400, (1)#14-500 | SL-0.980, SL-1.175 | 1 ¹⁵ / ₁₆ | |
|  Style 5 1 Outlet | C-5231 | | 4 | (3)#14-350, (1)#14-4/0 | SL-0.980, SL-0.690 | 2 | |
| | CIC 200 | | 5 | - | 1.093-1.562 | 2 | |
|  Style 6 3 or 4 Outlets | CIC 201 | | 5 | - | 0.937-1.145 | 4 | |
| | PS 2 | | 7 | (3)#14-250 | SL-0.765 | 1 ³ / ₁₆ | |
|  Style 7 3 or 4 Outlets | 3133 | 2½ | 2 | 300-1500 | 0.760-1.880 | 2¾ | |
| | 3133-6 | | 2 | 300-1500 | 0.760-1.880 | 6¾ | |
|  Style 8 4 Outlets | CIC 25-440 | | 4 | (4)#2-4/0 | 0.390-0.690 | 2¼ | |
| | CAP 250 | | 1 | - | - | 3 | |
|  Style 9 2 or 4 Outlets | PS 25 | | 7 | (2)#14-350, (1)#14-250 | SL-0.980, SL-0.765 | 1 ³ / ₁₆ | |
| | 3135 | 3 | 2 | 350-2000 | 0.830-2.234 | 2½ | |
|  Style 10 3 Outlets | CAP 300 | | 1 | - | - | 2½ | |
| | CVC 3* | | 6 | - | (3)1.093-1.562 | 2 ¹¹ / ₁₆ | |
| | CNC 3-1G | | 9 | - | (1)1.031-1.531, (1).280-0.420 | 2½ | |
| | PS 3 | | 7 | (3)#14-350, (1)#14-250 | SL-0.980, SL-0.765 | 1 ³ / ₁₆ | |
| | PSX 3 | 3½ | 9 | (3)#14-350, (1)#14-250 | SL-0.980, SL-0.765 | 2½ | |
| | PSX 35 | | 8 | (3)#14-500, (1)#14-250 & 350-500 | SL-1.175 SL-0.765 | 3 ¹⁵ / ₁₆ | |
| | 3138 | 4 | 4 | #14-400 | SL-0.980 | 2 | |
| | 6318 | | 3 | - | 1.500-3.00 | 2 ¹¹ / ₁₆ | |
| | CAP 400 | | 1 | - | - | 2 ¹¹ / ₁₆ | |
| | CNC 4-1G | | 9 | - | (1)1.031-1.531, (1).280-0.420 | 2¾ | |
| | CVC 4* | | 6 | - | (3)1.125-1.875 | 3 ³ / ₁₆ | |
| | PS 4 | | 7 | (3)#14-500, (1)#14-350 | SL-1.175, SL-0.980 | 1¾ | |
| | CIC 401 | | 2 | - | 0.830-2.234 | 3¾ | |
| | CAP 500 | 5 | 1 | - | - | 2 ¹⁵ / ₁₆ | |
| | CVC 5* | | 6 | - | 1.250-2.00 | 3 ⁷ / ₁₆ | |
| | PS 5 | | 7 | (3)#2-1500, (1)#14-500 | 0.370-1.600, SL-1.175 | 2¾ | |
| | PS 6 | 6 | 7 | (4)#2-1500 | 0.370-1.600 | 2¾ | |

* Vent cap, not watertight. Note: For sizes not listed, please consult your ABB representative.

Breakaway street light kits

Flood-Seal® street and highway lighting compression fuse and non-fused kits – In-line



Everything you need for copper connections to roadway lighting.

Copper in-line fuse kits include Flood-Seal housing, fuse clips, silicone lubricant and instruction sheet. Fuse is not included. Fuse kits accept non-glass standard cartridge fuses of $\frac{13}{32}$ " diameter and $1\frac{1}{2}$ " length. Copper in-line non-fused kits include Flood-Seal housing, connecting link, silicone lubricant and instruction sheet.

- EPDM rubber housing ensures a fully insulated, watertight and submersible connection
- Breakaway design separates under tension so wires don't break
- Safe separations – fuse or connecting link stays in covered load side when separated
- Rated for 600 V, 30 A maximum – perfect for heavy-duty applications

Compression in-line fuse kits

| Single housing Cat. no. | Twin housing Cat. no. | Cu wire size (AWG) | | | Installation tool |
|----------------------------|--------------------------|--------------------|--------|--|--------------------------------|
| | | Str. | Sol. | | |
| SLK 6 | SLT 6 | #14–#10 | #14–#8 | | ABB WT111M, C die or equal |
| | | #8–#6 | #6–#4 | | ABB TBM20S, blue die or equal |
| SLK 2 | SLT 2 | #4 | #2 | | ABB TBM20S, gray die or equal |
| | | #2 | – | | ABB TBM20S, brown die or equal |

| Single housing Cat. no. | Twin housing Cat. no. | Cu wire size (AWG) | | Installation tool | Cu wire size (AWG) | | Installation tool |
|----------------------------|--------------------------|--------------------|--------|-------------------------------|--------------------|------|--------------------------------|
| | | Str. | Sol. | | Str. | Sol. | |
| SLK 6–2 | SLT 6–2 | #14–#10 | #14–#8 | ABB WT111M, C die or equal | #4 | #2 | ABB TBM20S, gray die or equal |
| | | #8–#6 | #6–#4 | ABB TBM20S, blue die or equal | #2 | – | ABB TBM20S, brown die or equal |

Compression in-line non-fused kits

| Single housing Cat. no. | Twin housing Cat. no. | Cu wire size (AWG) | | | Installation tool |
|----------------------------|--------------------------|--------------------|--------|--|--------------------------------|
| | | Str. | Sol. | | |
| SDK 6 | SDT 6 | #14–#10 | #14–#8 | | ABB WT111M, C die or equal |
| | | #8–#6 | #6–#4 | | ABB TBM20S, blue die or equal |
| SDK 2 | SDT 2 | #4 | #2 | | ABB TBM20S, gray die or equal |
| | | #2 | – | | ABB TBM20S, brown die or equal |

| Single housing Cat. no. | Twin housing Cat. no. | Cu wire size (AWG) | | Installation tool | Cu wire size (AWG) | | Installation tool |
|----------------------------|--------------------------|--------------------|--------|-------------------------------|--------------------|------|--------------------------------|
| | | Str. | Sol. | | Str. | Sol. | |
| SDK 6–2 | SDT 6–2 | #14–#10 | #14–#8 | ABB WT111M, C die or equal | #4 | #2 | ABB TBM20S, gray die or equal |
| | | #8–#6 | #6–#4 | ABB TBM20S, blue die or equal | #2 | – | ABB TBM20S, brown die or equal |

Note: For 60 A options, add "-60" suffix to the catalog number.
For larger wire sizes, please consult your ABB representative.

Breakaway street light kits

Flood-Seal® street and highway lighting mechanical fuse and disconnect kits – Y-type



Ideal for heavy-duty applications.

Aluminum and copper Y-type fuse kits include Flood-Seal housing, fuse clips, two aluminum lugs, hardware, silicone lubricant and instruction sheet. Fuse is not included. Aluminum and copper Y-type disconnect kits include Flood-Seal housing, fuse clips, connecting link, two aluminum or copper lugs, hardware, silicone lubricant and instruction sheet.

- EPDM rubber housing ensures a fully insulated, watertight and submersible connection
- Safe separations – fuse or connecting link stays in covered load side when separated
- Dual-rated and approved for a wide range of aluminum or copper conductors
- Rated for 600 V, 30 A maximum – perfect for heavy-duty applications
- Some fuse kits can even accept a 60 A fuse

600 Volt, 30 amp max., fused

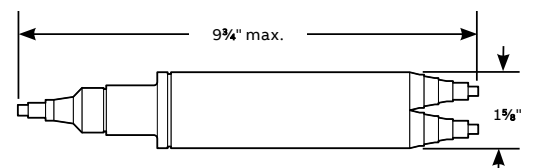
| Cat. no. | Wire size stranded (AWG) | Fused/non-fused | Installing dies |
|----------|--------------------------|----------------------------------|---------------------|
| FYA-6 | #6 | Fused (aluminum run, copper tap) | 52, BG, 243, 5/8 |
| FYA-4 | #4 | | 52, BG, 243, 5/8 |
| FYA-2 | #2 | | 52, BG, 243, 5/8 |
| FYA-1/0 | 1/0 | | 52, BG, 243, 5/8 |
| FYA-2/0 | 2/0 | | 58, 297, 245, 5/8-1 |
| FYC-8 | #8 | Fused (copper run, copper tap) | 1/4, 6, TC, 21 |
| FYC-6 | #6 | | J, 7, TE, 24 |
| FYC-4 | #4 | | 5/16, 8, TP, 29 |
| FYC-2 | #2 | | 3/8, 10, TL-TN, 33 |
| FYC-1 | #1 | | 3/8, 11K TB, 37 |
| FYC-1/0 | 1/0 | | 1/2, 12, TQ, 42 |
| FYC-2/0 | 2/0 | | 9/16, 13, TS, 45 |

Note: If fixture or tap wire is aluminum, add the following suffixes to the catalog number:
 -2A for 14–10 AWG stranded or 12–8 AWG solid. For example, FYC 1/0-2A.
 -3A for 8–6 AWG stranded or 6–4 AWG solid. For example, FYA 1/0-3A.

600 Volt, 30 amp max., non-fused

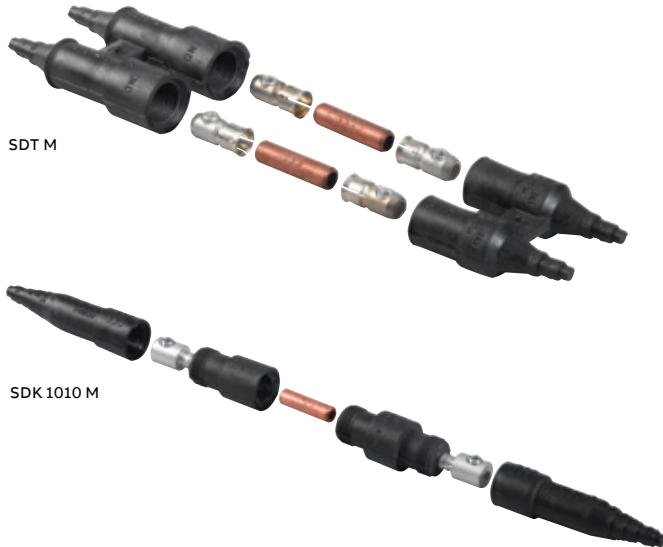
| Cat. no. | Wire size stranded (AWG) | Fused/non-fused | Installing dies |
|----------|--------------------------|--------------------------------------|---------------------|
| DYA-6 | #6 | Non-fused (aluminum run, copper tap) | 52, BG, 243, 5/8 |
| DYA-4 | #4 | | 52, BG, 243, 5/8 |
| DYA-2 | #2 | | 52, BG, 243, 5/8 |
| DYA-1/0 | 1/0 | | 52, BG, 243, 5/8 |
| DYA-2/0 | 2/0 | | 58, 297, 245, 5/8-1 |
| DYC-8 | #8 | Non-fused (copper run, copper tap) | 1/4, 6, TC, 21 |
| DYC-6 | #6 | | J, TE, 24 |
| DYC-4 | #4 | | 5/16, 8, TP, 29 |
| DYC-2 | #2 | | 3/8, 10, TL-TN, 33 |
| DYC-1 | #1 | | 3/8, 11K TB, 37 |
| DYC-1/0 | 1/0 | | 1/2, 12, TQ, 42 |
| DYC-2/0 | 2/0 | | 9/16, 13, TS, 45 |

Diagram



Breakaway street light kits

Flood-Seal® street and highway lighting mechanical fuse and disconnect kits – In-line



In-line mechanical kit options for aluminum or copper conductors.

In-line fuse kits include Flood-Seal housing, fuse clips, silicone lubricant and instruction sheet. Fuse is not included. Fuse kits accept non-glass standard cartridge fuses of $1\frac{3}{32}$ " diameter and $1\frac{1}{2}$ " length. SLK 22-60 M, SLK 102-60 M and SLK 1010-60 M fuse kits can also accept a 60 A fuse measuring $2\frac{1}{4}$ " long. In-line non-fused kits include Flood-Seal housing, connecting link, silicone lubricant and instruction sheet.

- EPDM rubber housing ensures a fully insulated, watertight and submersible connection
- Safe separations – fuse or connecting link stays in covered load side when separated
- Dual-rated and approved for a wide range of aluminum or copper conductors
- Rated for 600 V, 30 A maximum – perfect for heavy-duty applications
- Some fuse kits can even accept a 60 A fuse

Flood-Seal street and highway lighting mechanical fuse and disconnect kits – In-line

| Cat. no. | Fused/non-fused | Conductor range (Al/Cu) (AWG) | |
|------------------------------------|-----------------|-------------------------------|----------------------|
| | | Stranded | Solid |
| In-line kits | | | |
| SLK M | Fused | #12, #10, #8, #6, #4 | #12, #10, #8, #6, #4 |
| SLT M [†] | | | |
| SDK M | Non-fused | | |
| SDT M [†] | | | |
| In-line variable-range kits | | | |
| SLK 22 M | Fused | #2–#14 | #2–#14 |
| SLK 102 M | | 1/0–#2 | #2–#14 |
| SLK 1010 M | | 1/0–#2 | 1/0–#2 |
| SLK 22-60 M* | | #2–#14 | #2–#14 |
| SLK 102-60 M* | | 1/0–#2 | #2–#14 |
| SLK 1010-60 M* | | 1/0–#2 | 1/0–#2 |
| SDK 22 M | Non-fused | #2–#14 | #2–#14 |
| SDK 102 M | | 1/0–#2 | #2–#14 |
| SDK 1010 M | | 1/0–#2 | 1/0–#2 |

[†] Indicates twin housing.

* 60A fuse max. 60A fuses are $2\frac{1}{4}$ " long.

Note: 600V, 30A fuse not included. Fused kits accept standard cartridge fuse with $1\frac{3}{32}$ " diameter, $1\frac{1}{2}$ " length, non-glass type.

Breakaway street light kits

Flood-Seal® street and highway lighting mechanical fuse and disconnect kits – Y-type



FYU 2

Standard and mechanical run compression tap kits for your roadway lighting jobs.

Mechanical Y-type fuse kits include Flood-Seal housing, fuse clips, dowel and silicone lubricant. Fuse is not included. Fuse kits accept non-glass standard cartridge fuses of $\frac{13}{32}$ " diameter and 1½" length.

- EPDM Flood-Seal housing ensures a fully insulated, watertight and submersible connection
- Breakaway design separates under tension so wires don't break
- Safe separations – fuse or connecting link stays in covered load side when separated
- Matching ampacity rating – run or feeder lugs have the same ampacity rating as the cable, up to 2/0 AWG
- Rated for 600 V, 30 A maximum – perfect for heavy-duty applications
- Y-type mechanical run compression taps use a ½" hex wrench for easy installation

Flood-Seal street and highway lighting mechanical fuse and disconnect kits – Y-type

| Cat. no. | Fused/non-fused | Conductor range (Al/Cu) (AWG) | |
|---|-----------------|-------------------------------|--------|
| | | Main | Tap |
| Y-type disconnect kits | | | |
| FYU M | Fused | #14-#2 | #12-#4 |
| DYU M | Non-fused | | |
| Y-line mechanical run compression kits | | | |
| FYU 6 | Fused | #14-#2 | #14-#6 |
| FYU 2 | | | #4-#2 |
| DYU 6 | Non-fused | | #14-#6 |
| DYU 2 | | | #4-#2 |

Mechanical street light connectors

Flood-Seal® street and highway lighting mechanical connectors



RAB 1/0-4
(Style 1)

Two connector styles to match your application.

- EPDM Flood-Seal housing ensures a fully insulated, watertight and submersible connection
- Dual-rated to accept aluminum or copper conductors ranging from #14 to 1/0 AWG.

Flood-Seal® street and highway lighting mechanical connectors

| Style | Cat. no. | Conductor range (AWG) | Outlets |
|------------|------------|-----------------------|------------|
| | RAB 1/0-2 | #14 – 1/0 | 2 |
| | RAB 1/0-3 | | 3 |
| | RAB 1/0-4 | | 4 |
| | RAB 1/0-5 | | 5 |
| | RAB 1/0-6 | | 6 |
| | RAB 1/0-7 | | 7 |
| | RAB 1/0-8 | | 8 |
| | RAB 1/0-9 | | 9 |
| | RAB 1/0-10 | | 10 |
| | | | RAB 1/0-21 |
| RAB 1/0-22 | | 4 | |
| RAB 1/0-31 | | 4 | |
| RAB 1/0-32 | | 5 | |
| RAB 1/0-33 | | 6 | |
| RAB 1/0-42 | | 6 | |

Note: For oxide-inhibitor option, add "-C" suffix to the catalog number.

Mechanical street light connectors

Insulated street and highway lighting mechanical connectors



RB 210-8 SL



SLV 42-212



BY 320

Insulated connectors for above-ground applications.

- Rubber insulation ensures an insulated connection
- Models with street light connectors fit a range of mains and taps
- SLV series features clear PVC to enable safe and time-saving installation
- SLV series sized for a range of conductors – perfect for multiple installation types
- BY series features a PVC boot and locking insulator to ensure a fully insulated connection; the connector stays on until removal is necessary

Insulated street and highway lighting mechanical connectors

| Cat. no. | Conductor range (AWG) |
|--|-------------------------------------|
| RB series – Rubber insulated | |
| RB 210-8 SL | Main 1/0 max., tap #12 – #8 |
| RB 210-8 SS | Main 1/0 max., tap #12 – #8 |
| RB 6240 SL | Main 2/0 – #14, tap #14 – #6 |
| SLV series – Clear PVC encapsulated | |
| SLV 240-24 | Main (2) 4/0 – #6, tap (2) #4 – #14 |
| SLV 42-212 | #12 – #2 |
| BY series – PVC insulated | |
| BY 320 | #14 – 2/0 |

Note: For oxide-inhibitor option, add “-C” suffix to the catalog number.

Equipment locks



ELB



ELB 2

Rugged, reliable protection for your pad-mount transformers.

- Shear-head screw provides tamper-proof security for your transformer connector equipment
- Three models available – secure your equipment with a mix of all three models for added protection

Equipment locks

| Cat. no. | Figure no. | Dimensions (in.) | | | | Alumoweld gauge |
|----------|------------|------------------|------|------|------|-----------------|
| | | L1 | L2 | W1 | W2 | |
| ELB | 1 | 2.13 | 1.25 | 1.06 | 0.94 | 6 |
| ELB 2 | 2 | 2.19 | 1.25 | 2.00 | 1.00 | 4 |
| ELB 2 A | 3 | 3.00 | 1.69 | 2.00 | 1.06 | 4 |

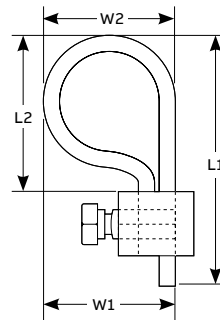


Figure 1

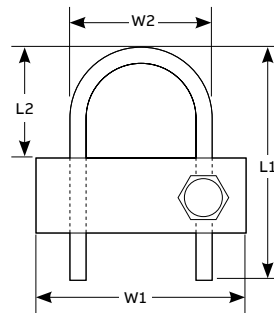


Figure 2

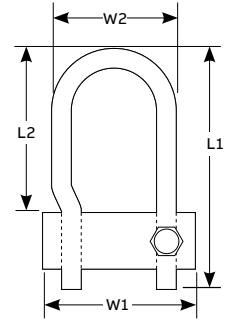


Figure 3

Sealants and lubricants

HOM-OX oxide inhibitor



Seals electrical connections from oxygen and moisture.

- Fully compatible with all solid insulating materials, including rubber, paper and impregnating oils
- Stable over a wide operating temperature range of -40 °F to 300 °F
- HM 52 and HM 56 are also joint compounds for making full-tension splices and aluminum cable connections, respectively

HOM-OX oxide Inhibitor

| Cat. no. | Description |
|------------------|---|
| HM 52 (1/2 PINT) | Oxide-inhibiting joint compound for full-tension splices only. ½ Pint (8 fl. oz.) |
| HM 53 (1/2 PINT) | Oxide-inhibiting compound for non-tension splices or pad-to-pad applications. ½ Pint (8 fl. oz.) |
| HM 56 (1/2 PINT) | Oxide-inhibiting joint compound for overhead compression, partial-tension splices, service entrance and pin terminals. ½ Pint (8 fl. oz.) |

Note: For larger container sizes, please consult your ABB representative.

EC-S8C oxide inhibitor



Stop surface oxides from interfering with current transfer between electrical components.

- Use on aluminum-to-aluminum, aluminum-to-copper and copper-to-copper applications
- Safe for use on cables – does not affect rubber or cable insulation; does not contain grit
- Stable over a wide operating temperature range of 0 °F to 460 °F
- Non water-soluble, non petroleum-based polymer grease does not stain

EC-S8C oxide inhibitor

| Cat. no. | Description |
|----------|---|
| EC-S8C | Oxide-inhibiting joint compound. ½ Pint (8 fl. oz.) |

Note: For a more effective electrical connection, all conductors need to be wire-brushed right before the application of this compound. Wire brushing is not recommended on tin-plated components.

Sealants and lubricants

Thread lubricant



- Versatile use
- Aids in installations and splices

Thread lubricant

| Cat. no. | Description |
|-------------------|--------------------------------------|
| TL 101 (1/2 PINT) | Thread lubricant, ½ pint (8 fl. oz.) |

Silicone lubricant for high-voltage electrical work



- Specially formulated for high-voltage cable
- Best used in heavy-duty electrical applications
- Eases installation of cables in Flood-Seal® rockets

Silicone lubricant for high-voltage electrical work

| Cat. no. | Description |
|----------|--------------|
| SL5 | 0.5 oz. tube |

Blackburn® WW wire bristle brush



- Remove oxides from conductor surfaces.
- Easy-grip handle with glove guard prevents rubber glove puncture
 - Long-life wire elements can be rotated and are replaceable
 - Handle and guard coated with durable, non-conductive plastic for safety

Blackburn WW wire bristle brush

| Cat. no. | Description |
|----------|----------------------------|
| WWB1 | Complete brush with handle |
| WRB1 | Wire element only, pair |

Appendix

Part number index

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