

## 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 recognized by RUS
- All connectors are 100% hi-pot tested at 4,000 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, #6-350, #14 sol.-#6	2	3 3/4
	SHC 22	#6-2/0, #6-350, #14 sol.-#6	2	3 3/4
	SHC 121	#6-2/0, #6-350, #14 sol.-#6	3	5 3/4
	SHC 212	#6-2/0, #6-350, #14 sol.-#6	3	5 3/4

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, #14 sol.-#6	2	3 3/4
	SHC 3	#6-350, #14 sol.-#6	3	5 3/4
	SHC 4	#6-350, #14 sol.-#6	4	7
	SHC 5	#6-350, #14 sol.-#6	5	8 7/8
	SHC 6	#6-350, #14 sol.-#6	6	10 3/4
	SHC 8	#6-350, #14 sol.-#6	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.

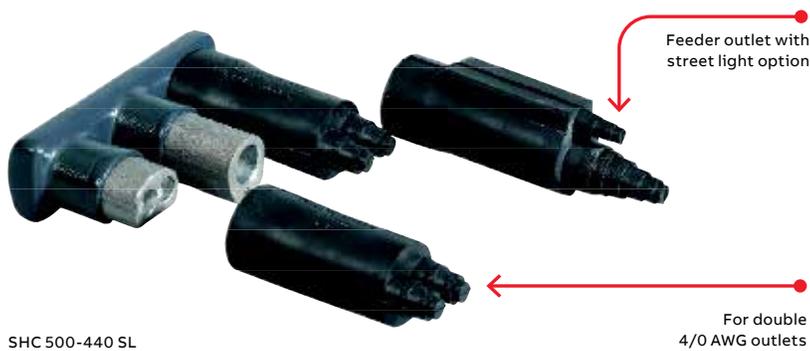


#### Flood-Seal mechanical 500 kcmil connectors

Diagrams	Cat. no.	Cable range (AWG or kcmil)	Outlets	L (in.)
	SHC 500-2	#2-500	2	3 7/8
	SHC 500-3	#2-500	3	6 1/4
	SHC 500-4	#2-500	4	8 3/8
	SHC 500-5	#2-500	5	10 5/8
	SHC 500-6	#2-500	6	12 7/8
	SHC 500-8	#2-500	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 recognized by RUS.
- All connectors are 100% hi-pot tested at 4,000 V for 60 seconds

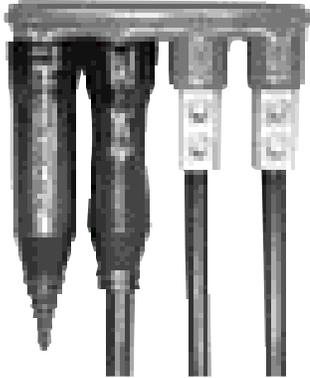
### Mechanical connectors for 4/0 AWG outlets with 500 kcmil feeder

Diagrams	Cat. no.	Wire range (AWG or kcmil)	L (in.)	H (in.)
	SHC 500-240 SL	Tap #4-4/0 Feeder #2-500 S/L #14-#4	4½	4⅜
	SHC 500-440 SL	Tap #4-4/0 Feeder #2-500 S/L #14-#4	6¾	4⅜
	SHC 500-640 SL	Tap #4-4/0 Feeder #2-500 S/L #14-#4	9⅝	4⅜

Top view of outlets

## Flood-Seal® multi-port connectors

Aluminum Flood-Seal twin-screw mechanical connectors



UH 500-4 R

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 4,000 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 3/4	#6-350
	UH 3 R	3	UH 33 R	6	5 1/4	#6-350
<p>Two-way outlets</p>	UH 4 R	4	UH 44 R	8	7	#6-350
	UH 5 R	5	UH 55 R	10	8 7/8	#6-350
	UH 6 R	6	UH 66 R	12	10 3/4	#6-350
	UH 8 R	8	UH 88 R	16	14 1/2	#6-350

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



01

### 500 kcmil series

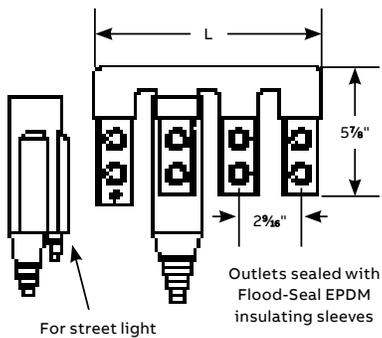
Diagram	Cat. no.	Cable range (AWG or kcmil)	Outlets	L (in.)	H (in.)
	UH 500-2 R	#2-500	2	3 7/8	4 3/4
	UH 500-3 R	#2-500	3	6 1/8	4 3/4
	UH 500-4 R	#2-500	4	8 3/8	4 3/4
	UH 500-5 R	#2-500	5	10 5/8	4 3/4
	UH 500-6 R	#2-500	6	12 7/8	4 3/4
	UH 500-8 R	#2-500	8	17 3/8	4 3/4

## 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 4,000 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

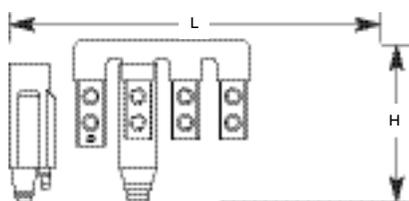
### Submersible connector with street light outlet

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

## Dual-outlet connectors with street light port



### Diagram



Feeder outlet has S/L port with its own screw.

### 4/0 AWG outlets with 750 kcmil feeder

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

### 350 kcmil outlets with 750 kcmil feeder

Cat. no.	Wire range (AWG or kcmil)	Outlets	L (in.)	H (in.)
UH 750-235 SLR	Feeder 1/0-750, Tap #12-4/0 S/L #14-#4	(2) 350 (1) 750	5⅝	6
UH 750-435 SLR	Feeder 1/0-750, Tap #12-4/0 S/L #14-#4	(4) 350 (1) 750	9⅝	6
UH 750-635 SLR	Feeder 1/0-750, Tap #12-4/0 S/L #14-#4	(6) 350 (1) 750	13⅝	6

## 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 4,000 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	#2-1,000	2	4 <sup>13</sup> / <sub>16</sub>
UH 1000-4 R	#2-1,000	4	9 <sup>15</sup> / <sub>16</sub>
UH 1000-6 R	#2-1,000	6	15
UH 1000-8 R	#2-1,000	8	20 <sup>7</sup> / <sub>8</sub>

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

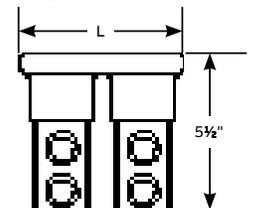
### Twin-screw two-way configuration

Cat. no.	Conductor range (AWG or kcmil)	Outlets
UH 1000-22 R	#2-1,000	4
UH 1000-33 R	#2-1,000	6
UH 1000-44 R	#2-1,000	8
UH 1000-55 R	#2-1,000	10
UH 1000-66 R	#2-1,000	12
UH 1000-88 R	#2-1,000	16

### UH 1000 series with 350 kcmil services

Cat. no.	Conductor range (AWG or kcmil)	Outlets
UH 1000-21 R	Feeder #2-1,000, Tap #6-350 SL #14-#6	3
UH 1000-222 R	Feeder #2-1,000, Tap #6-350 SL #14-#6	6
UH 1000-242 R	Feeder #2-1,000, Tap #6-350 SL #14-#6	8

Diagram



## Flood-Seal® multi-port connectors

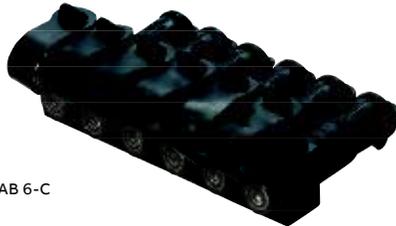
Aluminum Flood-Seal multi-port connectors – RAB series



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 4,000 V for 60 seconds
- RAB 1/0 series offers compact design – great for street light applications
- Recognized by RUS

### RAB 1/0 series

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

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 <sup>7</sup> / <sub>16</sub>
RAB 3-C	#12 sol.-350	3	3 <sup>5</sup> / <sub>8</sub>
RAB 4-C	#12 sol.-350	4	4 <sup>13</sup> / <sub>16</sub>
RAB 5-C	#12 sol.-350	5	6
RAB 6-C	#12 sol.-350	6	7 <sup>1</sup> / <sub>8</sub>
RAB 8-C	#12 sol.-350	8	9 <sup>9</sup> / <sub>16</sub>
RAB 10-C	#12 sol.-350	10	11 <sup>15</sup> / <sub>16</sub>

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

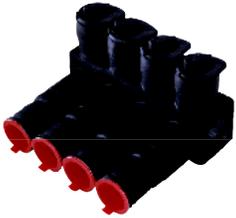
01 For EZ Torque shear-head screws supplied in all outlets, add “-TS” suffix to the catalog number.



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## 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 4,000 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 recognized by RUS

### 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	#12–500	6.0	152
RAB 55-C	5	#12–500	7.5	191
RAB 65-C	6	#12–500	9.0	229
RAB 85-C	8	#12–500	12.0	305

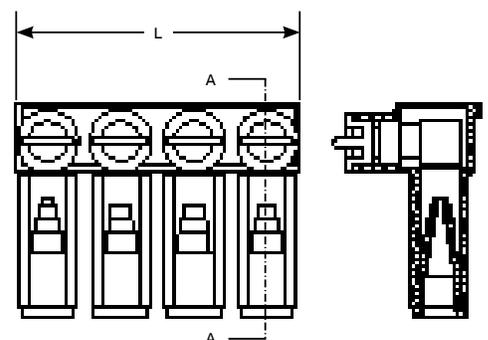
Note: Provided with oxide inhibitor.

### USB 350 series

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

Note: Provided with oxide inhibitor.

### Diagrams

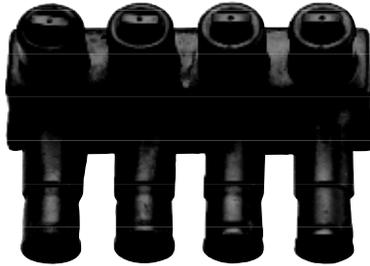


01 For EZ Torque shear-head screws supplied in all outlets, add "-TS" suffix to the catalog number.



# 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 4,000 V for 60 seconds
- Comply with ANSI C119.1 and C119.4 and Western Underground C.G. 2.5 and are recognized by RUS
- 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	#12-350	5.8	147
RXL 5-C	5	#12-350	7.3	185
RXL 6-C	6	#12-350	8.8	223
RXL 8-C	8	#12-350	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.



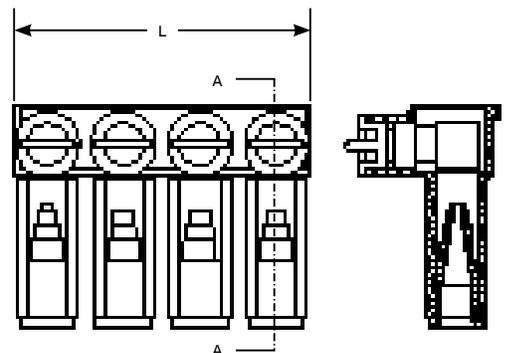
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## RXL 600 Series

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

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 1,000 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 4,000 V for 60 seconds

### Cable entry one side only

Cat. no.	Outlets	Length (in.)
RXM 2	2	3 <sup>1</sup> / <sub>6</sub>
RXM 4	4	7 <sup>1</sup> / <sub>4</sub>
RXM 6	6	10 <sup>7</sup> / <sub>8</sub>
RXM 8	8	14 <sup>1</sup> / <sub>2</sub>
RXM 10	10	18 <sup>5</sup> / <sub>8</sub>
RXM 12	12	21 <sup>3</sup> / <sub>4</sub>

### Cable entry from either side

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

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

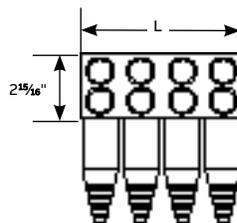
### Custom orders

Cat. no.	Outlets	Length (in.)
RXM 31	4	7 <sup>1</sup> / <sub>4</sub>
RXM 42	6	10 <sup>7</sup> / <sub>8</sub>

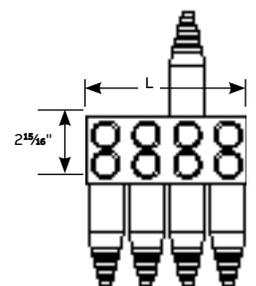
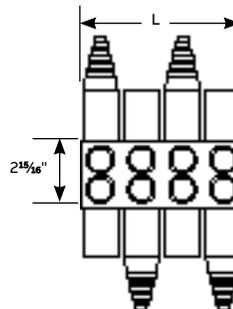
Order using first number for outlets needed on one side and second number for outlets needed on opposite side. For example, RXM 31 has three outlets on one side and one outlet on the other side.

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

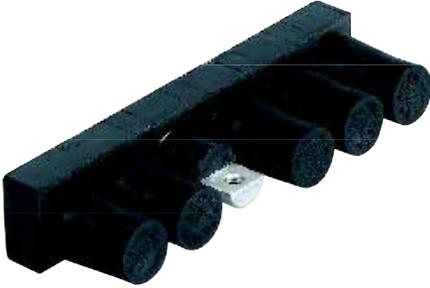


Cables enter from one side only



## Flood-Seal® multi-port connectors

### Aluminum Flood-Seal 95 series connectors



FS 95-6

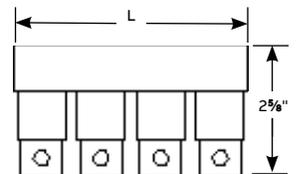
Suitable for direct burial or installation in an enclosure.

- 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 4,000 V for 60 seconds
- Recognized by RUS

#### 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	–	5/8, BG, 687, 243, TU, 52, 8A
CFG 4 CS	CFG 4 HS	#4	#4	#4	–	5/8, BG, 687, 243, TU, 52, 8A
CFG 2 CS	CFG 2 HS	#2	#2	#2 & #1	#1	5/8, BG, 687, 243, TU, 52, 8A
CFG 1 CS	CFG 1 HS	#1	#1	1/0	1/0	5/8, BG, 687, 243, TU, 52, 8A
CFG 1/0 CS	CFG 1/0 HS	1/0	1/0	2/0	2/0	5/8, BG, 687, 243, TU, 52, 8A
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	840, 324, 249, 658, TX, 76, 11A
CFK 3/0 CS	CFK 3/0 HS	3/0	3/0	4/0	4/0	840, 324, 249, 658, TX, 76, 11A
CFK 4/0 CS	CFK 4/0 HS	4/0	4/0	250	–	840, 324, 249, 658, TX, 76, 11A
CFK 250 CS	CFK 250 HS	250	250	300	–	840, 324, 249, 658, TX, 76, 11A
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	–	1 1/8-1, 299-655, 96, 13A, 321, 326
CFB 350 CS	CFB 350 HS	336.4-350	350	350	–	1 1/8-1, 299-655, 96, 13A, 321, 326

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 4,000 V for 60 seconds
- All outlets approved for full cable rating – safe and reliable
- All Flood-Seal connectors comply with ANSI C119.4
- Recognized by RUS

### One-way configuration

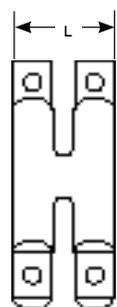
One-bolt design Cat. no.	Two-bolt design Cat. no.	Outlets	L (in.)
FS 2-125	FSN 2-125	2	3½
FS 3-125	FSN 3-125	3	5⅞
FS 4-125	FSN 4-125	4	7¼
FS 5-125	FSN 5-125	5	9⅞
FS 6-125	FSN 6-125	6	11
FS 7-125	FSN 7-125	7	12⅞
FS 8-125	FSN 8-125	8	14¾
FS 9-125	FSN 9-125	9	16⅝
FS 10-125	FSN 10-125	10	18½

### 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).

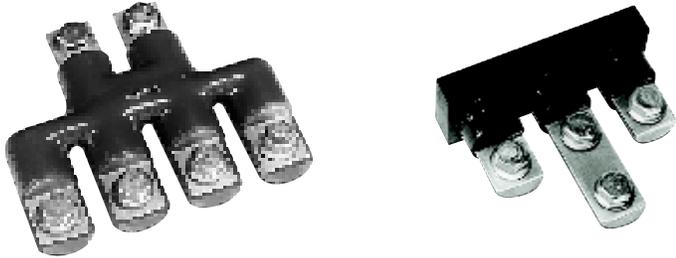
### Diagram



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 4,000 V for 60 seconds
- All Flood-Seal connectors meet or exceed ANSI C119.4
- Recognized by RUS

### EPDM-insulated, one-way configuration

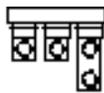
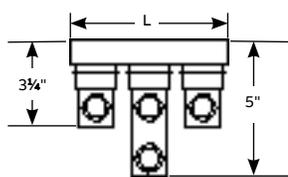
Cat. no.	Outlets	Length (in.)
FS 21-125	3	5 <sup>3</sup> / <sub>8</sub>
FS 111-125	3	5 <sup>3</sup> / <sub>8</sub>
FS 414-125	9	16 <sup>5</sup> / <sub>8</sub>
FS 31-125	4	7 <sup>1</sup> / <sub>4</sub>
FS 212-125	5	9 <sup>1</sup> / <sub>8</sub>
FS 222-125	6	11
FS 41-125	5	9 <sup>1</sup> / <sub>8</sub>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

Note: To order sealing sleeves for EPDM one-way connectors, see page C49.

### 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



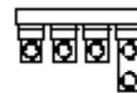
FS 21-125



FS 111-125



FS 414-125



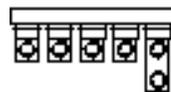
FS 31-125



FS 212-125



FS 222-125



FS 41-125

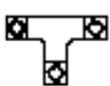


FS 313-125

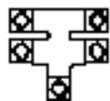


FS 323-125

T Type



FST 125

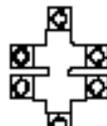


FSTT 125

X Type



FSX 125



FSXX 125

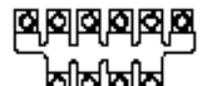
Y Type



FSY 125-21



FSY 125-42



FSY 125-64

# Flood-Seal® multi-port connectors

## Flood-Seal bus connectors



Flood-Seal bus connectors

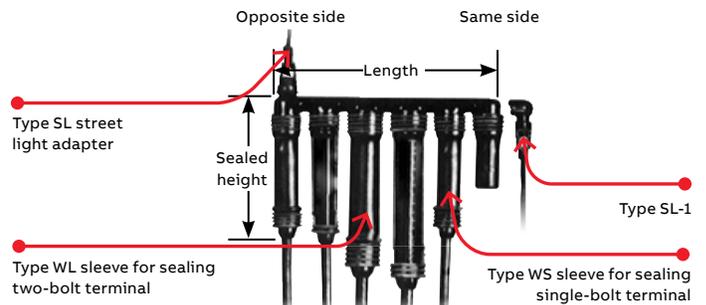
Cat. no.	No. of ports	Dimensions in. (mm)			
		2-Bolt large term.	1-Bolt small term.	Length	Height with sleeve
UPC 20	2	0	2	3.3 (84)	6.5 (165)
UPC 22	2	2	0	3.8 (97)	8.8 (222)
UPC 30	3	0	3	5.2 (132)	6.5 (165)
UPC 31	3	1	2	5.3 (135)	8.8 (222)
UPC 33*	3	3	0	5.9 (151)	8.8 (222)
UPC 40	4	0	4	7.1 (179)	6.5 (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 compression connectors catalog.

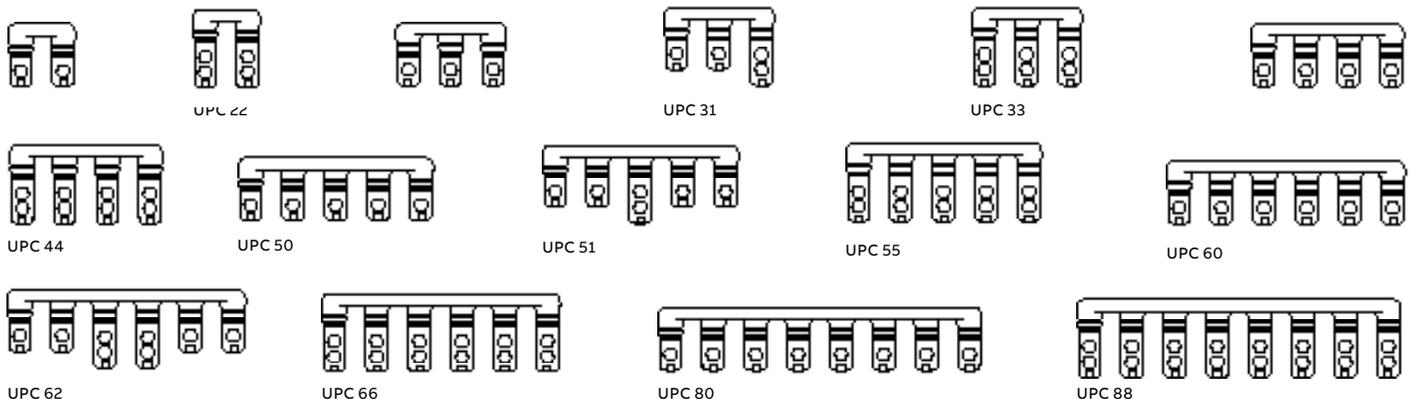
Get the port and terminal options you need for pedestal, vault, handhole or direct-burial applications.

- 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 4,000 V for 60 seconds

Cat. no.	No. of ports	Dimensions in. (mm)			
		2-Bolt large term.	1-Bolt small term.	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*	8	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 4,000 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.

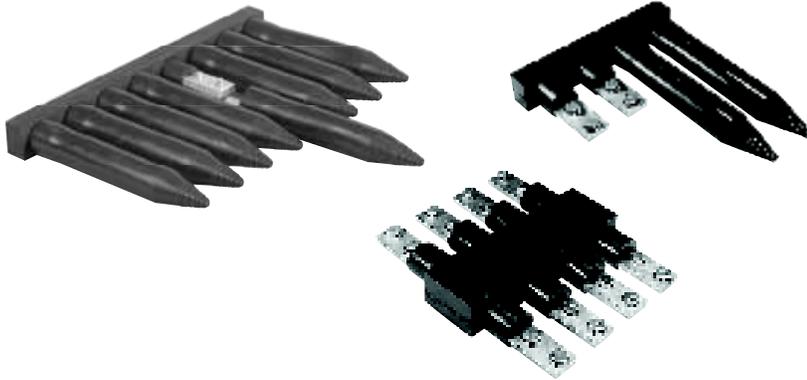
- EPDM rubber sealing sleeve grips the conductor insulation on one end and seals onto the insulated bus on the other end
- Sleeves provided with plug installed – can be used as terminal covers
- SC adapter available – perfect to use when #2 AWG compact standard 600 V underground service entrance cable 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 <sup>1</sup> / <sub>16</sub>
WL 2 P	Two-bolt UPC, UPB, SCU	0.4–0.9	8 <sup>5</sup> / <sub>16</sub>
WL 3 P	UPC, UPB, SCU	0.5–1.2	8 <sup>5</sup> / <sub>16</sub>
WB 20 P	UB	0.4–0.9	5 <sup>3</sup> / <sub>8</sub>
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 <sup>3</sup> / <sub>8</sub>
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 4,000 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 C52) for two conductors per outlet.



01

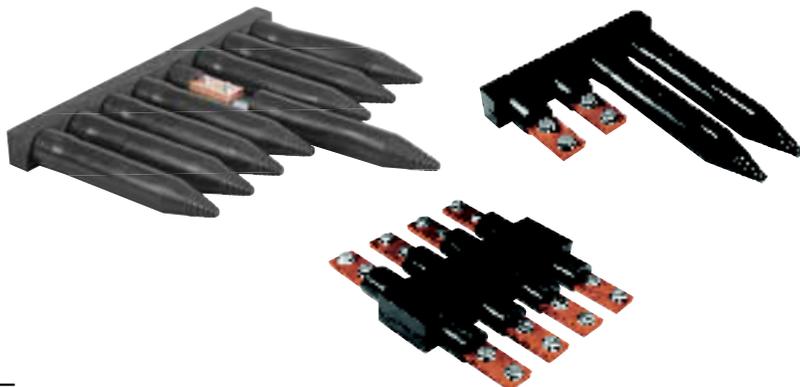
02 AL-NTN series aluminum lugs, 1/0 AWG to 2000 kcmil. See the compression connectors catalog.



02

## 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 4,000 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.

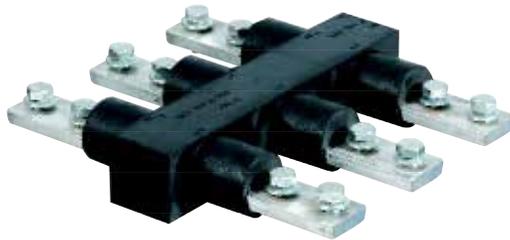


01

## 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.



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 4,000 V for 60 seconds

#### FXL 175 aluminum series – For two-hole NEMA lugs up to 1,000 kcmil

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

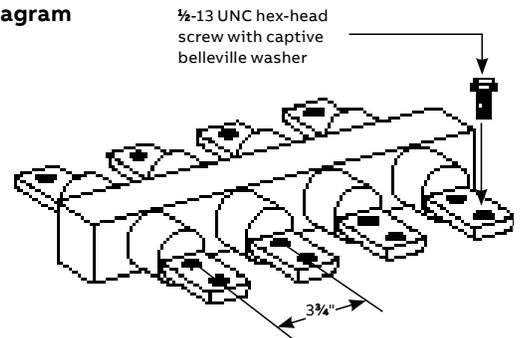
#### FXL 175 copper series – For two-hole NEMA lugs up to 1,000 kcmil

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



### Flood-Seal 175 dual adapter kit



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

#### Flood-Seal 175 dual adapter kit

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

Note: Connector not included.

#### Diagram

