

## Break-away Connector Kits

### Features / Benefits:

- Completely waterproof
- Individual fusing allows separation of kit without de-energizing complete circuit
- Break-away style fuse holder eliminates risk of electrical shock. Exposed current carrying components are all contained in harmless load side of the kit.
- Readily identifiable problem area simplifies maintenance
- Easy to install, no need for tapes or compounds
- Insulated to 600 V

### Applications:

- Roadway lighting fixtures
- Flood and area lighting fixtures
- Power distribution systems

Max. overall length, installed, 7-3/4 in. Diameter 1-1/8 in.



Line side housing  
(Receptacle)



Fuse\*\*  
Crimp-on fuse holder



Load side housing  
(Plug)



Fuse\*\*  
Crimp-on fuse holder

### Style 65 Break-Away

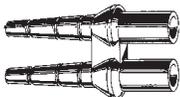
Type: Single pole in-line

Electrical rating: For 600 V, 10-30 A, 13/32 in. x 1-1/2 in. fuse

Cat. No.	Conductor Size (AWG)	Conductor Material*	Packaging Unit	Packaging Standard
<b>65 U</b>	14 through 6	Copper	1	20

\*Fuse not included with kit. Do **NOT** use glass fuses.

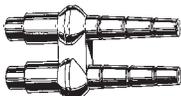
Max. overall length, installed, 7-3/4 in. Diameter 2-5/16 in.



Line side housing  
(Receptacle)



Fuse\*\*  
Crimp-on fuse holder



Load side housing  
(Plug)



Fuse\*\*  
Crimp-on fuse holder

### Style D65 Break-Away

Type: Double pole in-line

Electrical rating: For 600 volt, 10-30 amp., 13/32 in. x 1-1/2 in. fuse

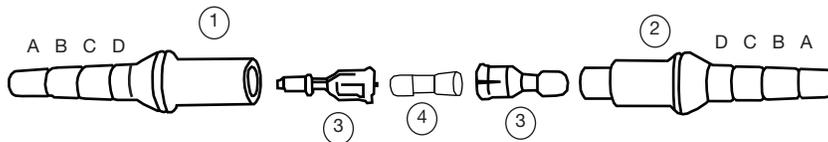
Cat. No.	Conductor Size (AWG)	Conductor Material*	Packaging Unit
<b>D65 U</b>	14 through 6	Copper	20

\*Fuse not included with kit. Do **NOT** use glass fuses.

## Break-away Connector Kits

### Installation Instructions for 65 and D65 Fused Connector Kit

- Contents:**
- 1. Line side (female) rubber housing
  - 2. Load side (male) housing
  - 3. Metal Fuse Sockets (4 in D65 Kits)
  - 4. Fuse (not provided)
  - Assembly Dowel
  - Lubricant
  - Wiper



#### Outside Diameter

Cable OD (in.)	
A	0.120 - 0.205
B	0.195 - 0.260
C	0.250 - 0.330
D	0.320 - 0.430

Table 1

#### Universal Contact



Crimp Area	Conductor Size in AWG		Recommended Crimp Tools & Dies	
	Stranded	Solid		
A	14	12, 14	T&B No. WT111M	"C" Cavity
	10, 12	8, 10		
B	6	6	T&B No. TBM41E/45S	"Blue" Cavity
	6	4		

Table 2

- Step 1** Measure cable diameter and from Table 1, select corresponding section on molded sleeve. Cut off remaining sections of housing to size required. Example: If cable OD is 0.270 in., it falls within the "C" range – cut between "B" and "C".
- Step 2** Thoroughly clean approximately 8 in. of the Line side cable to be inserted using the wiper provided. Apply lubricant to cable and small hole in Line side (receptacle) housing.
- Step 3** Insert cable through the small hole in the housing, and push through sufficiently to allow for stripping of insulation.
- Step 4** Strip wires 3/4 in. for wire 14 AWG through 10 AWG, 3/8 in. for wire sizes 8 AWG through 4 AWG. (DO NOT PENCIL INSULATION). Crimp on Line side socket. (Refer to Table 2 for suggested tool and die.)
- Step 5** Apply lubricant lightly to the outside of the metal fuse socket.
- Step 6** Place wooden dowel in the socket. Place the free end of the dowel against a firm surface and push the housing forward until it snaps into a locking position. Wipe off any excess lubricant.
- Step 7** Repeat the above steps with the Load housing.
- Step 8** Insert a 13/32 in. by 1-1/2 in. HRC fuse, 600 V 30 A max. (Bussmann KTK series or equivalent), in the Load side housing. CAUTION: WHEN THE FUSE IS FULLY SEATED, NOT MORE THAN 1/16 IN. OF THE FUSE BARREL WILL BE VISIBLE BETWEEN THE FUSE END CAP AND THE HOUSING. DO NOT APPLY LUBRICANT ON THE FUSE.
- Step 9** Plug the Load side and Line side housings together. CAUTION: WHEN PROPERLY MATED, THE SEAM BETWEEN THE HOUSINGS SHOULD NOT EXCEED 1/32 IN.
- Step 10** The connection is now complete. For best results, anchor the Line side wire, so that if the Load side wire is pulled (perhaps someone has knocked over a pole), the kit will come apart.