

Break-away connector kits

- 01 Line side housing (receptacle)
- 02 Crimp-on fuse holder*
- 03 Load side housing (plug)
- 04 Crimp-on fuse holder*
- 05 Line side housing (receptacle)
- 06 Crimp-on fuse holder*
- 07 Crimp-on fuse holder*
- 08 Load side housing (plug)
- 09 Crimp-on fuse holder*
- 10 Crimp-on fuse holder*

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

Style 65 break-away

Type: Single pole in-line

Electrical rating: For 600 V, 10–30 A, 1³/₃₂ in. x 1¹/₂ in. fuse*

Cat. no.	Conductor size (AWG)	Conductor material	Packaging unit	Packaging standard
65 U	#14–#6	Copper	1	20

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

Max. overall length, installed, 7¹/₄ in. diameter 1¹/₈ in.



Style D65 break-away

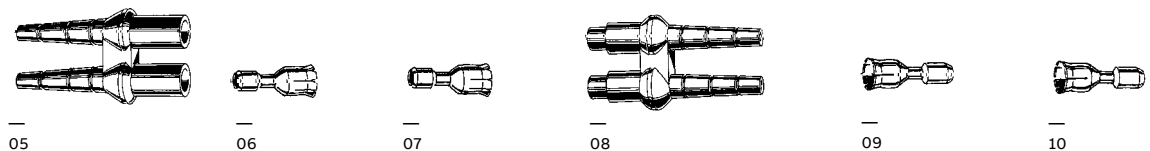
Type: Double pole in-line

Electrical rating: For 600 V, 10–30 amp., 1³/₃₂ in. x 1¹/₂ in. fuse*

Cat. no.	Conductor size (AWG)	Conductor material	Packaging unit
D65 U	#14–#6	Copper	20

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

Max. overall length, installed, 7¹/₄ in. diameter 2¹/₈ in.



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

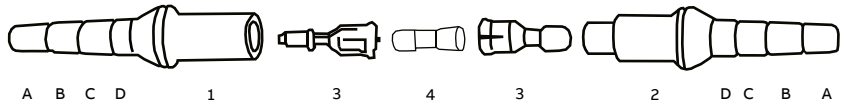


Table 1 — outside diameter

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

Table 2 — Universal contact



Crimp area	Conductor size in AWG		Recommended crimp tools and dies	
	Stranded	Solid		
A	14	12, 14	ABB No. WT111M	“C” cavity
A	10, 12	8, 10	ABB No. WT111M	“C” cavity
B	6	6	ABB No. TBM41E/45S	“Blue” cavity
B	6	4	ABB No. TBM41E/45S	“Blue” cavity

- | | |
|---|---|
| <p>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”.</p> <p>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.</p> <p>Step 3 Insert cable through the small hole in the housing, and push through sufficiently to allow for stripping of insulation.</p> <p>Step 4 Strip wires ¾ in. for wire 14 AWG through 10 AWG, ⅝ 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.)</p> <p>Step 5 Apply lubricant lightly to the outside of the metal fuse socket.</p> | <p>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.</p> <p>Step 7 Repeat the above steps with the load housing.</p> <p>Step 8 Insert a 1³/₃₂ in. by 1-½ 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 ⅛ in. of the fuse barrel will be visible between the fuse end cap and the housing. Do not apply lubricant on the fuse.</p> <p>Step 9 Plug the load side and line side housings together. Caution: When properly mated, the seam between the housings should not exceed ⅜ in.</p> <p>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.</p> |
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