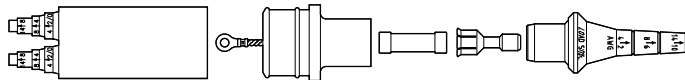


## INSTALLATION INSTRUCTIONS

# Street lighting kit, FYA, DYA (alum.) FYC, DYC (copper)

## Y-Type street light kit



**WARNING:** Risk of shock, disconnect power before installation



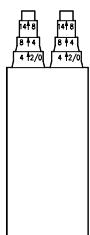
**CAUTION:** Product must be installed by a qualified electrician in accordance with national and local electrical codes.



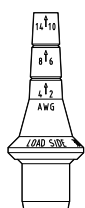
**CAUTION:** Identify LINE and LOAD sides of wiring and molded connector bodies before beginning installation. These instructions are not intended as a substitute for adequate training or experience in such safety practices. These instructions do not attempt to provide for every possible contingency.

**Contents:**

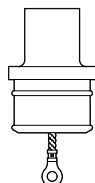
- (A) Y-Type housing
- (B) Load side (Plug) housing
- (C) Line end insert
- (D) Fuse holder
- (E) Connecting link (DYA & DYC only)
- (F) Fuse (Not included)
- (G) 1 Nut, 1 Bolt, 2 Belleville washers & 2 Lugs
- Assembly Dowel
- Lubricant



(A)



(B)



(C)



(G)



(D)



(E)



(F)

**IMPORTANT**

Read and understand all instructions and safety information before use. Be aware of proper usage and potential hazards.

**Step 1**

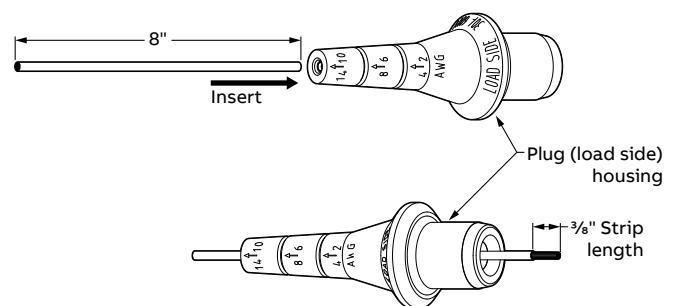
- Measure cable diameter. Refer to Table 1, select corresponding section on load side (plug) housing. Cut off remaining sections of housing to size referenced in Range column, Table 1. **Example:** If cable OD is 0.390 inch, it falls within the AWG 4-2 range - cut at 4-2 line.

**Table 1**

Range	Cable O.D. (inch)
14-10	0.120-0.205
8-6	0.195-0.330
4-2	0.320-0.430

**Step 2**

- Thoroughly clean approximately 8" along load side cable end. Apply lubricant and insert cable through small hole in load side (plug) housing. Push through a sufficient distance to permit  $\frac{3}{8}$ " for stripping of insulation. Strip insulation a distance of  $\frac{3}{8}$ " as shown.



(A)

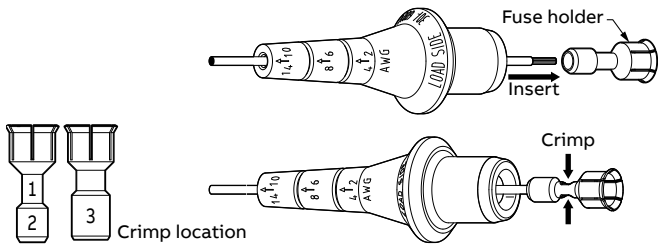
(B)

(C)

(G)

**STEP 3**

- Insert cable into crimp barrel of fuse holder and crimp. Refer to Table 2 for suggested tool and die.

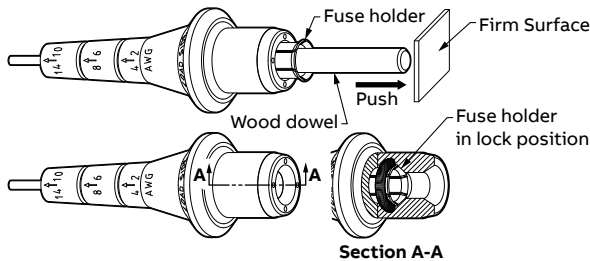


**Table 2**

Crimp area	Conductor size AWG		Recommended tool and dies	
	Stranded	Solid	T&B tool No.	Die type
1	14	12, 14	WT111M	“C” cavity
1	10,12	8, 10	WT111M	“C” cavity
2	8	6	TBM45S	“Blue” cavity
2	6	4	TBM45S	“Blue” cavity
<b>Large contact</b>				
3	4	2	TBM45S	“Gray” cavity
3	2	—	TBM45S	“Brown” cavity

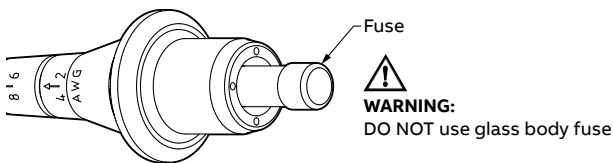
**STEP 4**

- Apply lubricant lightly to outside of fuse holder. Place the wood dowel into socket and position the free end of dowel against a firm surface. Push the load side (plug) housing forward until fuse holder snaps into position. Wipe off any excess lubricant.



**STEP 5**

- Insert 1 3/32" by 1 1/2" fuse (600 Volt 30 Amp max.) or connecting link into the load side (plug) housing.



**STEP 6**

For run connection:

1. Select and cut correct cut-off ring on the Y-Type housing for cable being used.
2. Cut and bevel the cable insulation. Apply lubricant to the end of the cable and the cut opening of the housing. Slide the cable through till it extends 2" to 3" beyond the housing, see Figure A.
3. Strip the insulation to fit compression lugs, see Figure B.

**CAUTION: Do not over strip**

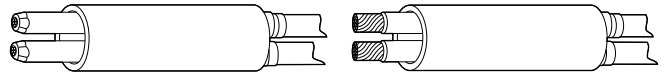
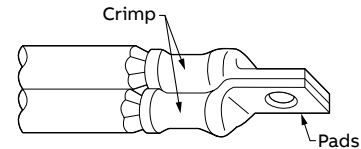


Figure A

Figure B

**STEP 7**

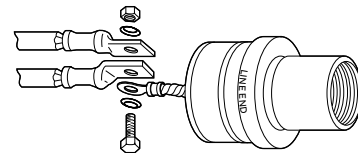
- Crimp with proper crimping tool
- Pad portion of lugs should be back to back.
- For aluminum only
  - Wire brush the pads of the lugs.
  - Apply HM53 inhibitor or equivalent on pads.
  - Wipe off excess inhibitor.



**STEP 8**

Assemble insert as shown in illustration.

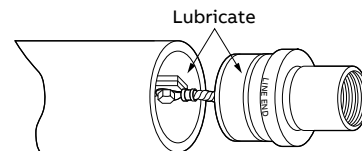
- Tighten bolted assembly



**STEP 9**

Assemble insert in Y-Type housing:

1. Apply lubricant as shown below.
2. Slide the Y-Type housing up to the bottom of the line end insert.
3. Push the line end insert into opening of the Y-Type housing.
4. Pulling on the cables while holding onto the Y-Type housing, slide housing toward the line end insert.
5. Push the line end insert until seated in the housing.



**STEP 10**

1. Lubricate male and female components.
2. Insert the load side (plug) housing with the installed link or fuse clip into the line end insert.

