

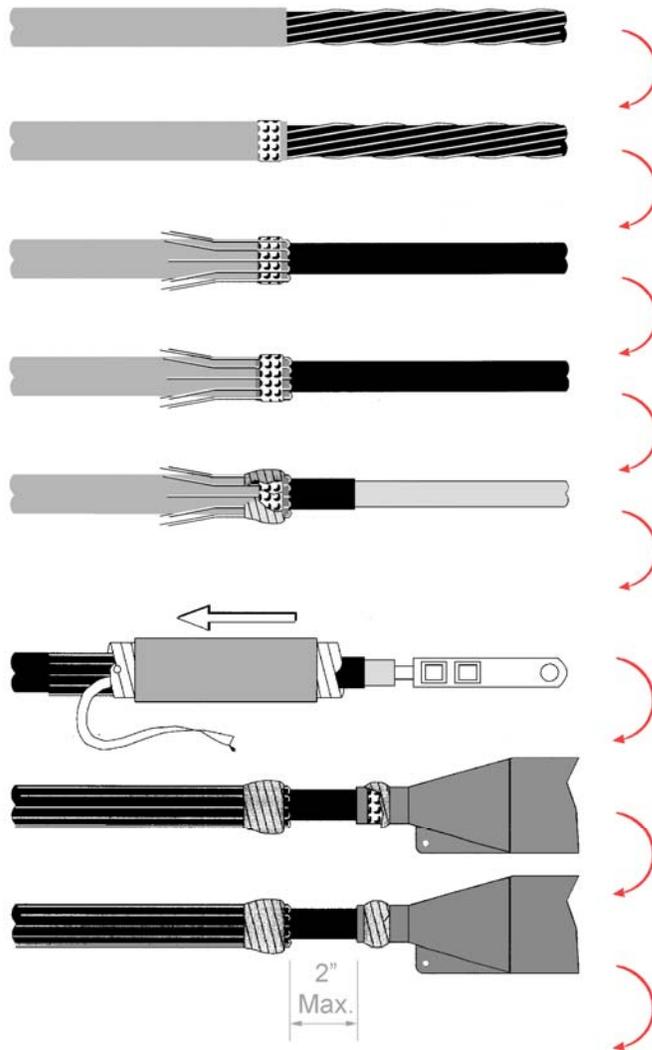
**200 AMPERE ELBOW SEALING ON 1/0, 28 KV JACKETED
CONCENTRIC NEUTRAL CABLE**

1. Scope

This construction guideline provides basic instructions and a list of the material and tools required for sealing the jacket end of round wire concentric neutral power cable where elbows are installed.

2. Installation Procedure

Review and follow the instructions provided with the cold shrink sealing kit. The images in this section are provided only to assist with work planning. Note: The exposed cable semi-con between the cable jacket end and the elbow should be no more than 2 inches.



See next page.

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SEATTLE CITY LIGHT
CONSTRUCTION GUIDELINE

200 Ampere Elbow Sealing on 1/10, 28 kV Jacketed
 Concentric Neutral Cable

STANDARD NUMBER: **U5-2.8.7**

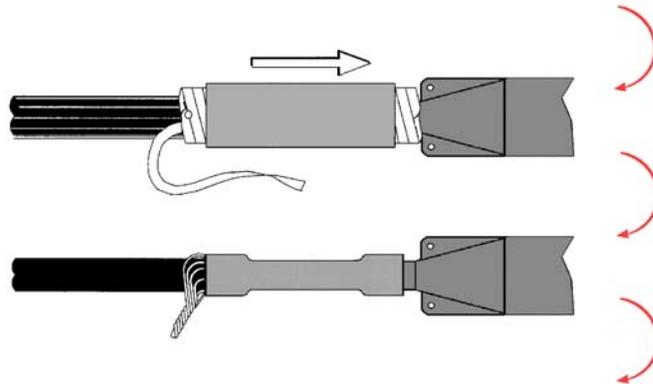
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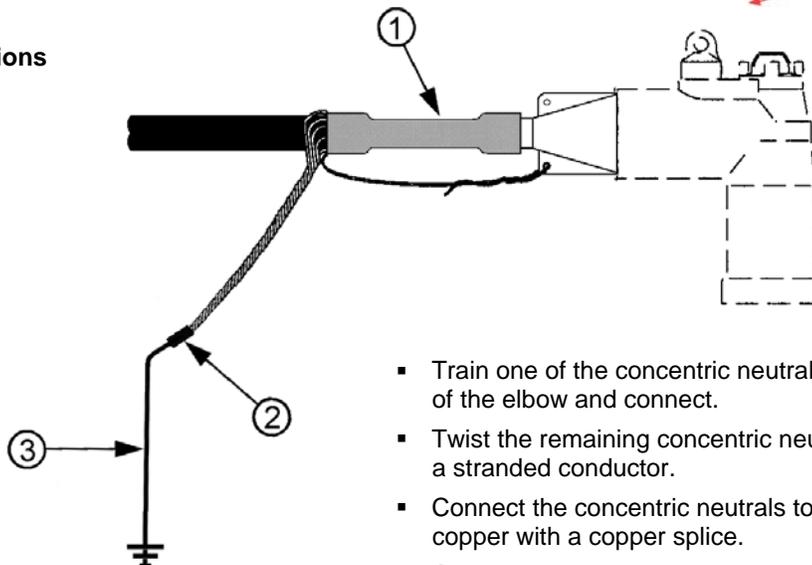
EFFECTIVE DATE: October 6, 2006

3. 2. Installation Procedure, continued

See previous page.



4. Connections



- Train one of the concentric neutrals up to the eye near the end of the elbow and connect.
- Twist the remaining concentric neutrals together to form round a stranded conductor.
- Connect the concentric neutrals to a length of #2 bare stranded copper with a copper splice.
- Connect the copper ground wire to the vault ground.

5. Required Tools

- Cable jacket stripper
- Wire cutters
- Compression connector crimp tool

6. Material List

Item	Quantity	Description	Stock No.
1	1	SEALING KIT, Cold Shrink	012687
2	1 EA	CONNECTOR, Straight Copper, #2 to #2	677357E
3	as required	WIRE, Bare Copper, #2 Stranded	610434

7. References

- Instruction Sheet, 3M Cold Shrink Cable Accessory Sealing Kits for Jacketed Concentric Neutral (JCN) Cable, #78-8121-111-5(A), Issued 02/10/98
- Data Sheet, 3M Cable Accessory Sealing Kits 84452, 8453 and 8454, #80-6108-5252-9, dated 1996