Hand-Crimping Tools, PIDG Terminals and Splices



1. Scope

This standard covers the requirements for hand-crimping tools for pre-insulated diamond grip (PIDG) terminals and splices.

This standard applies to Seattle City Light (SCL) Stock No. 015010.

2. Application

Hand-crimping tools are used for all internal control wire terminations in SCL substations as required by SCL Wiring Specification D-44327 (see Appendix).

Hand-crimping tools are designed to crimp red (22-18), blue (16-14), and yellow (12-10) AMP/TE PIDG ring-tongue terminals described in SCL 6771.30.

3. Requirements

Hand-crimping tools shall meet the following requirements:

- Crimp form/wire barrel type: closed barrel, Tetra
- Ratchet configuration: operator releasable and adjustable
- Die set type: fixed in tool
- Color coded crimp nest on face of tool
- Dimensions, nominal: 10.25 in x 3.5 in x 1.0
- Weight, nominal: 1.4 lb
- UL approved

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4. Packaging

Product shall be packaged to prevent damage during shipping, handling, and storage. Individual packages shall be legibly marked with:

- Manufacturer name
- Manufacturer catalog number
- Product description
- Seattle City Light stock number

Shipping containers shall be legibly marked with:

- Manufacturer name
- Seattle City Light purchase order number

5. Issuance

Stock unit: EA

6. Approved Manufacturers

Description Tetra-Crimp Hand Crimping Tool Manufacturer / Part No.

TE Connectivity, Inc., 59824-1

7. Sources

Shetab, Muneer; SCL Standards Engineer and Originator of 7637.15

TE Connectivity, PIDG Terminals & Splices Quick Reference Guide, Reference No. 1-177394-5, May 2022

8. References

SCL Drawing D-44327, SCL Wiring Method Specification

SCL Material Standard 6771.30; "Terminals and Splices, Insulated Solderless Type"

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Appendix. SCL Drawing D-44327, Wiring Method Specification

