

## Fittings, Liquidtight, Metallic



### 1. Scope

This standard covers the requirements for fittings used with liquidtight flexible metallic (LFMC) and nonmetallic (LFNC) conduit.

This material standard applies to the following Seattle City Light (SCL) stock numbers:

Stock No.	Type	Trade Size (in)
012088	Straight	1/2
012089	Straight	3/4
012090	90 degree	1/2
012091	90 degree	3/4

### 2. Application

Fittings are used with LFMC and LFNC installed in outdoor or indoor locations where exposed to continuous or intermittent moisture.

### 3. Industry Standards

Fittings shall meet the applicable requirements of the latest revision of the following industry standards:

**NEMA FB 1**; "Fittings, Cast Metal Boxes, and Conduit Bodies for Conduit, Electrical Metallic Tubing, and Cable"

**UL 514B**; "Conduit, Tubing, and Cable Fittings"

### 4. Requirements

Fittings shall have the features listed in Sections 4.1 and 4.2.

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#### 4.1 Straight Connectors

Straight connectors shall have the following attributes:

- Steel, zinc die-cast, malleable iron, zinc electroplate construction
- 105-degree C-rated thermoplastic insulator
- Suitable for use with LFMC and LFNC

**Figure 4.1. Straight Connector**



#### 4.2 Angled Connectors, 90-Degree

Angled connectors shall have the following attributes:

- Steel, zinc die-cast, malleable iron, zinc electroplate construction
- 105-degree C-rated thermoplastic insulator
- Suitable for use with LFMC and LFNC

**Figure 4.2. Angled Connector**



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### 5. Packaging

Fittings shall be packaged to prevent damage during shipping, handling, and storage.

Each standard package shall be legibly marked with the following information:

- Manufacturer identification
- Product description
- SCL stock number
- Quantity

Each shipping container shall be legibly marked with the following information:

- SCL purchase order number

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### 6. Issuance

Stock Unit: EA

## 7. Approved Manufacturers

Stock No.	Trade Size (in)	Type	T&B Part No.	Bridgeport Part No.	Cooper Crouse-Hinds Part No.	RACO-Hubbell Part. No.	Steel Electric Supply Co. Part No.
012088	1/2	Straight	5332	430-SLTI	LTB50*	3512RAC*	SLT27T
012089	3/4	Straight	5333	431-SLTI	LTB75*	3513RAC*	SLT28T
012090	1/2	90-degree	5352	470-LT2*	LTB5090*	3542*	SLT35T
012091	3/4	90-degree	5353	471-LT2*	LTB7590*	3543*	SLT36T

**Note:** LFMC connectors that can also be used with LFNC are marked with an asterisk (\*).

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## 8. Sources

**Shetab, Muneer**; SCL Standards Engineer, originator, and subject matter expert for 7080.09 (muneer.shetab@seattle.gov)

**SCL Stock Catalog Page 73-8**, June 30, 2017

[www.tnb.com](http://www.tnb.com)

[www.bpfittings.com](http://www.bpfittings.com)

[www.cooperindustries.com](http://www.cooperindustries.com)

[www.hubbell.com](http://www.hubbell.com)

[www.sepco-usa.com](http://www.sepco-usa.com)