

**TUBING, HEAT SHRINK TYPE, THIN WALL**



**1. Scope**

This standard covers the requirements for thin wall, heat shrink type tubing.

This standard applies to Seattle City Light Stock Number 012476.

Medium wall heat shrink tubing and heavy wall splice covers are outside the scope of this standard.

**2. Application**

Thin wall heat shrink tubing is for general, non-electrical use. Tubing may be used for wire jacket marking.

The requirements for medium wall heat shrink tubing and heavy wall splice covers are specified in Material Standards 7374.70 and 7374.75 respectively.

**3. Attributes**

Shrink tubing shall have the following attributes:

Material	polyolefin
Color	black
Shrink ratio, expanded-recovered	2:1
Full recovery temperature, degrees C	121

Shrink temperature, minimum, degrees C	90
Operating temperature, continuous, degrees C	
minimum	-55
maximum	110
Tensile strength, pound-force per square inch, minimum	1500
Shelf life, minimum	10 years




Shrink tubing shall be supplied uncoated, without adhesive.

Shrink tubing length, expanded internal diameter, recovered internal diameter, and wall thickness shall be as specified in Section 6.

**4. Packaging**

Shrink tubing shall be packaged to prevent damage during shipping, handling, and inside storage.

Shrink tubing shall be packaged and shipped in its natural round state. Product received excessively deformed will not be accepted.

<i>standards coordinator</i>	<i>standards supervisor</i>	<i>unit director</i>
 John Shipek	 John Shipek	 Darnell Cola

**Material Standard**

Tubing, Heat Shrink Type, Thin Wall

standard number: **7374.65**

superseding: new  
 effective date: March 14, 2012  
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**4. Packaging, continued**

Individual packages shall be legibly marked with:

- Manufacturer's name
- Manufacturer's catalog number
- Product description
- Seattle City Light's Stock Number

Shipping containers shall be legibly marked with:

- Seattle City Light's Purchase Order Number

**5. Issuance**

Stock Unit: PC

**6. Approved Manufacturers**

Stock Number	Cut Piece Length, Nominal, in	Diameter, in		Recovered Wall Thickness, Nominal, in	Approved Manufacturer	Catalog Number
		As Supplied, Minimum	Recovered, Maximum			
012476	48	0.250	0.125	0.025	Alpha Wire	FIT-221-1/4 black
					DSG-Canusa	CPX100, 0250, BK, 48
					TE Connectivity	CA8545-000, CPGI-RNF-100-1/4-48-BLSK, SP=25

Note: TE Connectivity products have previously gone under the names of Tyco Electronics, Tyco, and Raychem.

**7. References**

**AlphaWire**; [www.alphawire.com](http://www.alphawire.com)

**Shipek, John**; SCL Standards Engineer, originator and subject matter expert for 7374.65 ([john.shipek@seattle.gov](mailto:john.shipek@seattle.gov))

**Tyco Electronics** catalog; 4-1773455-0 E361; 12/2009