Tape, Vinyl, Color Coding

1. Scope

This standard covers the requirements for vinyl, color coding tape.

This standard applies to the following Seattle City Light stock numbers:

Stock Number	Color
736775	white
736776	yellow
736777	blue
736778	red
736779	green
736780	orange
736781	brown

2. Application

Vinyl, color coding tape operates over a wide range of temperatures, applies smoothly, conforms, and is available in nine fade-resistant colors.

Vinyl, color coding tape is intended for the following applications:

- Color coding for phase identification, job identification and safety
- Insulating electrical wiring
- Protecting electrical conductors, motor leads and piping from moisture, alkalis, acids, corrosion, abrasion and weather

3. Industry Standards

Vinyl, color coding tape shall meet the requirements of the following industry standards:

ASTM D1000-10 - Standard Test Methods for Pressure-Sensitive Adhesive-Coated Tapes Used for Electrical and Electronic Applications

RoHS (European Union Directive 2002/95/EC for Restriction of Hazardous Substance)

4. Properties (nominal)

ASTM D1000 Class	2 (elastomeric)
Tape backing material	polyvinyl chloride (PVC) and/or its polymers
Adhesive	rubber-based, pressure-sensitive
Temperature	
Application, min	0° C (32° F)
Operating, max	105° C (221° F)
Material thickness, mil	7
Breaking strength, per ASTM D1000 @ 23° C (73° F),	17 lbs/in (of width)
Voltage rating, per UL 510	600 V
Core diameter	1 in
Shelf life (inside storage)	5 years from the date of manufacture

Tape shall have excellent resistance to abrasion, moisture, alkalies, acids, corrosion and varying weather conditions.

Tape shall be Underwriters Laboratories (UL) listed and marked as “Flame-Retardant, Cold Resistant.”

Tape shall be shall be RoHS (European Union Directive 2002/95/EC for Restriction of Hazardous Substance) compliant.

5. Testing

Test data that confirms the properties cited in the manufacturer's data sheet, industry standards, and this material standard shall be provided upon request.

6. Packaging

Tape shall be packaged to prevent damage during shipping, storage, and casual handling prior to use.

Each roll of tape shall be legibly marked with the following information:

- Manufacturer's name
- Manufacturer’s catalog number
- Product description

Number of rolls of tape per case shall be according to Section 8.

Each shipping container shall be marked with Seattle City Light's Purchase Order Number.

7. Issuance

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8. Approved Manufacturers

Stock Number	**736775**
Description:	Vinyl, color coding tape, white, 1/2 in x 20 ft roll
Manufacturer	3M
Product	Scotch 35
UPC	054007-10232
Case Quality	100 rolls
Manufacturer	Plymouth (formerly Bishop)
Product	Premium 37
Catalog	3706 (3/4 in x 66 ft roll)
Case Quality	100 rolls

Stock Number	**736776**
Description:	Vinyl, color coding tape, yellow, 1/2 in x 20 ft roll
Manufacturer	3M
Product	Scotch 35
UPC	054007-10257
Case Quality	100 rolls
Manufacturer	Plymouth (formerly Bishop)
Product	Premium 37
ID	3703 (3/4 in x 66 ft roll)
Case Quality	100 rolls

Stock Number	**736777**
Description:	Vinyl, color coding tape, blue, 1/2 in x 20 ft roll
Manufacturer	3M
Product	Scotch 35
UPC	054007-10240
Case Quality	100 rolls
Manufacturer	Plymouth (formerly Bishop)
Product	Premium 37
ID	3705 (3/4 in x 66 ft roll)
Case Quality	100 rolls

Stock Number	**736778**
Description:	Vinyl, color coding tape, red, 1/2 in x 20 ft roll
Manufacturer	3M
Product	Scotch 35
UPC	054007-10224
Case Quality	100 rolls
Manufacturer	Plymouth (formerly Bishop)
Product	Premium 37
ID	3704 (3/4 in x 66 ft roll)
Case Quality	100 rolls

Stock Number	**736779**
Description:	Vinyl, color coding tape, green, 1/2 in x 20 ft roll
Manufacturer	3M
Product	Scotch 35
UPC	054007-10265
Case Quality	100 rolls
Manufacturer	Plymouth (formerly Bishop)
Product	Premium 37
ID	3702 (3/4 in x 66 ft roll)
Case Quality	100 rolls

Stock Number	**736780**
Description:	Vinyl, color coding tape, orange, 1/2 in x 20 ft roll
Manufacturer	3M
Product	Scotch 35
UPC	054007-10273
Case Quality	100 rolls
Manufacturer	Plymouth (formerly Bishop)
Product	Premium 37
ID	3708 (3/4 in x 66 ft roll)
Case Quality	100 rolls

Stock Number	**736781**
Description:	Vinyl, color coding tape, brown, 1/2 in x 20 ft roll
Manufacturer	3M
Product	Scotch 35
UPC	054007-10299
Case Quality	100 rolls
Manufacturer	Plymouth (formerly Bishop)
Product	Premium 37
ID	3707 (3/4 in x 66 ft roll)
Case Quality	100 rolls

9. References

3M, Scotch Vinyl Electrical Tape 35, Data Sheet, July 2011, 78-8124-4858-3 E

3M Electrical Products catalog, 80-6016-0382-4, 2011

Plymouth Electrical & Utility Products online catalog, undated, downloaded June 10, 2013

SCL 7367.5 (canceled) Tape, Marking, Vinyl, Pressure Sensitive

Shipek, John; Standards Engineer and originator of 7366.71.

UL 510; Polyvinyl Chloride Polyethylene and Rubber Insulating Tape

www.3m.com/electrical

www.plymouthrubber.com/catalogo.php