

Tape, Cotton Fabric, Friction



1. Scope

This standard covers the requirements for cotton fabric, friction tape.

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

Stock Number	Description
736400	3/4 in x 60 ft roll
736401	1 in x 60 ft roll
736415	2 in x 60 ft roll

2. Application

Cotton friction tape has high break strength and low stretch, making it ideal as a heavy-duty binding and harnessing tape.

Cotton friction tape is intended for the following applications:

- Provide abrasion and cut-through protection on wire and cable splices
- Provide mechanical protection for rubber electrical tape
- Provide bundling, binding and spot holding on wire harnesses
- Provide protection on sharp edges, to prevent scratching or cut through.

When applied over tool handles, it effects a non-slip surface.

3. Industry Standards

Cotton friction tape shall meet the requirements of the following industry standards:

ASTM D4514-12 - Standard Specification for Friction Tape

ASTM D69-12 - Standard Test Methods for Friction Tapes

4. Properties (nominal)

Tape construction	high-quality cotton fabric, coated on both sides with an electrical-grade, solvent-free, rubber adhesive
Material thickness	14 mil, +/- 1
Color	black
Temperature, operating	80° C (176° F)
Adhesion, maximum	15 in/min
Aged adhesion, maximum	15 in/min
Breaking strength	40 lb/in (of width)
Breakdown Voltage	1000 V
Parallelism, maximum	0.125 in
Core diameter	1-1/2 in
Shelf life (inside storage)	2 years from the date of manufacture

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

Each roll of tape shall be individually packaged in cellophane, plastic, or metal containers and 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

RL

8. Approved Manufacturers

Stock Number	736400
Description:	Cotton friction tape, 3/4 in x 60 ft roll
Manufacturer:	3M
Product:	Temflex 1755
ID:	80-6116-0428-3
UPC:	00-51128-57173-6
Case Quantity:	20 rolls
Manufacturer:	Plymouth (formerly Bishop)
Product:	100 ASTM
Catalog:	1002
Case Quantity:	100 rolls
Stock Number	736401
Description	Cotton friction tape, 1 in x 60 ft roll
Manufacturer	3M
Product	Temflex 1755
ID	0-00-51128-57211-5
UPC	80-6114-3811-2
Case Quantity	60 rolls
Manufacturer	3M
Product	Scotchcast P-4 restricting tape
ID	VE-0000-3503-4
UPC	00-054007-25743-1
Case Quantity	50 rolls
Manufacturer	Plymouth (formerly Bishop)
Product	100 ASTM
Catalog	1053
Case Quantity	

Stock Number	736415
Description	Cotton friction tape, 2 in x 60 ft roll
Manufacturer	3M
Product	Temflex 1755
ID	80-6114-3867-4
UPC	00-051128-57267-2
Case Quantity	30 rolls
Manufacturer	Plymouth (formerly Bishop)
Product	100 ASTM
Catalog	1039
Case Quantity	40 rolls

9. References

3M Temflex Friction Tape 1755, Data Sheet, November 2009, 78-8125-9450-1 B

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

7364.0 (canceled) Electrical Friction Tape

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

Shipek, John; Standards engineer and originator of 7366.41.

www.3m.com/electrical

www.plymouthrubber.com/catalogo.php