

Rope, Three-Strand, Poly Dacron, White with Tracers



1. Scope

This standard covers the requirements for white with tracers, polypropylene Dacron (poly Dacron, three-strand rope.

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

Stock No.	Diameter (in)
727232	7/16
727233	1/2
727234	3/4
727239	1

2. Application

White, poly Dacron rope is for general application.

Poly Dacron rope offers good abrasion resistance, high strength, and will hover just under the water.

3. Industry Standards

Rope shall meet the requirements of the latest revision of either of the following industry standards:

Cordage Institute International Standard CI 1500; "Test Methods for Fiber Rope"

ISO 2307(en); "Fibre Ropes; Determination of Certain Physical and Mechanical Properties"

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4. Requirements

Rope shall meet the requirements of Tables 4a through 4e.

Table 4a. General Requirements

Fiber	Poly Dacron
Color	White with tracers
Class	1
Construction	Three-strand
Coated	No
Lay	Twisted right hand

Table 4b. 7/16 Inch Size

Diameter (in)	7/16
Breaking strength, minimum (lb)	3500
Working load limit, minimum (lb)	700

Table 4c. 1/2 Inch Size

Diameter (in)	1/2
Breaking strength, minimum (lb)	4400
Working load limit, minimum (lb)	880

Table 4d. 3/4 Inch Size

Diameter (in)	3/4
Breaking strength, minimum, (lb)	8400
Working load limit, minimum (lb)	1680

Table 4e. 1 Inch Size

Diameter (in)	1
Breaking strength, minimum (lb)	13175
Working load limit, minimum (lb)	2635

Working load limit shall be based on the minimum breaking strength, employing a safety factor of 5:1.

5. Testing

Test data that establishes compliance with the requirements of either CI 1500 or ISO 2307, and this standard shall be provided upon request.

6. Packaging

Rope shall be packaged on reels to prevent damage during shipping, handling, and inside storage.

Rope shall be packaged on 600-or 1200-ft reels.

Each length shall be continuous throughout, containing no splices, hockles, kinks, or loose ends.

Each reel shall be legibly marked with the following information:

- Manufacturer identification
- Product description
- Length, nominal
- Seattle City Light stock number

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

- Manufacturer identification
 - Seattle City Light purchase order number
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7. Issuance

Stock Unit: FT

8. Approved Manufacturers

Stock No.	Diameter (in)	Manufacturer	Product Family	Item
727232	7/16	Continental Western Corp	Poly Dacron	325040
727233	1/2	Continental Western Corp	Poly Dacron	325044
727234	3/4	Continental Western Corp	Poly Dacron	325090
727239	1	Continental Western Corp	Poly Dacron	325120

9. Sources

cwcglobal.com

SCL Material Standard 7272.2; Rope, Synthetic Fiber (canceled)

Shipek, John; SCL Standards Supervisor, originator, and subject matter expert for 7272.23