

Rope, Three-Strand, Polypropylene, Yellow-Black



1. Scope

This standard covers the requirements for yellow-black, polypropylene, three-strand rope.

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

<u>Stock No.</u>	<u>Diameter (in)</u>
727230	1/4

2. Application

Yellow-black, polypropylene rope is for general application.

Polypropylene rope is a strong, lightweight monofilament rope that floats and has excellent resistance to oil, marine growth, and most common chemicals. Designed not to rot, this rope has good abrasion and UV resistance.

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 and 4b.

Table 4a - General

Fiber	Polypropylene
Color	Yellow-black
Class	1
Construction	Three-strand
Coated	No
Lay	Twisted right hand

Table 4b. 1/4 Inch Size

Diameter (in)	1/4
Breaking strength, minimum (lb)	1125
Working load limit, minimum (lb)	225

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 package on 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

7. Issuance

Stock Unit: FT

8. Approved Manufacturers

Manufacturer	Product Family	Item
Continental Western Corp	PolyPRO	301015

9. Sources

cwcglobal.com

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

Shipek, John; SCL Standards Supervisor, originator, and subject matter expert for 7272.19