

Rope, 12-Strand, Class 1, Orange



1. Scope

This standard covers the requirements for orange, Class 1, 12-strand, rope. This rope is commonly referred to as Tenex, however, other manufacturers can produce a similar product.

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

Stock No.	Size (in)
014790	5/8

2. Application

Orange, 12-strand, Class 1 rope is for pulling/stringing distribution lines.

12-strand, Class 1 rope offers high strength with low stretch, outstanding abrasion resistance, and easy splicing. Product is coated to enhance wear life and snag 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 Requirements

Fiber	Polyester
Color	Orange
Class	1
Construction	12-Strand
Other	Coated and UV-resistant
Lay	None

Table 4b. 5/8 Inch Size Requirements

Diameter (in)	5/8
Breaking strength, minimum (lb)	16,700
Working load limit, minimum (lb)	3340

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 6000-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	Product Code
Samson	Tenex, orange	826 (coated)

9. Sources

SamsonRope.com

Samson Utility Product Guide, 2016/2017, YGS:MSW 109598 500 8/2017

Shipek, John; SCL Standards Supervisor, originator, and subject matter expert for 7272.39