

STA - SET

Sta-Set is a premium grade double braided polyester rope manufactured using only high tenacity polyester for a strong, low stretch and extremely durable line. Sta-Set is ideally suited for controlled lifting and rigging operations where high strength, low elongation and excellent abrasion resistance are required. Sta-Set is an excellent all around rope.

Sta-Set conforms to the physical requirements of MIL-R-24677.



Available Colors



Applications

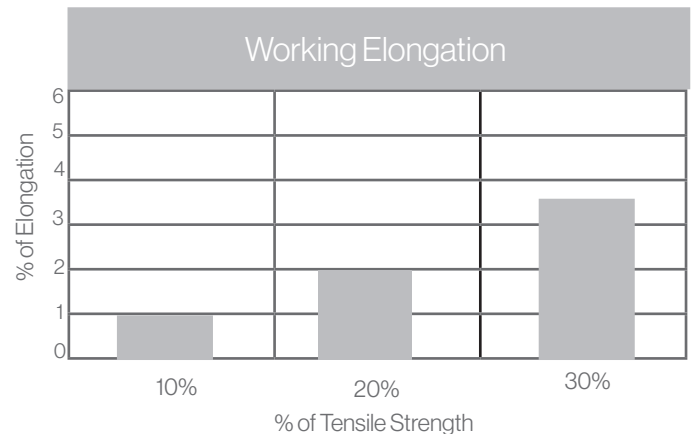
- Winch Lines
- Distribution & Transmission Stringing
- Underground Pulling Lines
- Slings
- Bull Ropes
- Tag Lines

Features

- ✓ Low Elongation
- ✓ Torque - Free
- ✓ Abrasion & Snag Resistant
- ✓ Easily Spliced
- ✓ Renders well on winches

Technical Data

Ø Diameter			Breaking Strength	
mm	inch	lbs./100'	Minimum lbs.	Average lbs.
8	5/16	3.10	3,500	3,850
10	3/8	4.30	4,000	5,100
11	7/16	6.00	5,200	7,000
12	1/2	7.80	8,850	10,100
14	9/16	10.10	9,500	11,700
16	5/8	11.90	13,000	16,900
18	3/4	17.00	22,000	23,500
22	7/8	23.70	26,600	33,800
24	1	32.40	33,400	40,900
28	1 1/8	39.80	41,000	48,200
30	1 1/4	49.20	38,100	54,750



Compliance to the above specifications is based upon testing according to the Cordage Institute Standard Testing Methods for Fiber Rope and/or ASTM D-4268 Standard Methods of Testing Fiber Ropes. Weights are approximate and may vary +/- 5%. Stretch data tested CI 1500-02.

STA-SET

Sunlight/UV

Polyester has very little degradation from UV, and can be used over long term if inspected regularly.

Chemicals

Polyester has good resistance to most chemicals.

Heat

Polyester has a melting point of 480°F with progressive strength loss above temperatures of 300°F.

Dielectrics

Good resistance to the passage of electrical current. However, dirt, surface contaminants, water entrapment, and the like can significantly affect dielectric properties. Extreme caution should be exercised any time a rope is in the proximity of live circuits.

Sheaves

Recommended D/d* ratio is 8:1. (*Sheave diameter to rope diameter)

Working Loads

No blanket safe working load (SWL) recommendations can be made for any line because SWL's must be calculated based on application, conditions of use, and potential danger to personnel among other considerations. It is recommended that the end user establish working loads and safety factors based on best practices established by the end user's industry; by professional judgment and personal experience; and after thorough assessment of all risks. The SWL is a guideline for the use of a rope in good condition for non-critical applications and should be reduced where life, limb, or valuable property is involved, or in cases of exceptional service such as shock loading, sustained loading, severe vibration, etc. The Cordage Institute specifies that the SWL of a rope shall be determined by dividing the Minimum Tensile Strength of the rope by a safety factor. The safety factor ranges from 4 to 12 for non-critical uses and is typically set at 10 to 15 for life lines.

Splicing Instructions

Double Braid Eye Splice

Part Number Series

C2100 - White	C2104 - Solid Black
C2101 - Solid Red	C2111 - Red Fleck
C2102 - Solid Green	C2112 - Green Fleck
C2103 - Solid Blue	C2113 - Blue Fleck

When placing an order for this product, please build your part number according to this formula: CXXXX-YY-ZZZZ where:

C210X = Part Number Series (found above) X = color
YY = Diameter in 1/32 of an Inch (e.g., "-16" = 1/2")
ZZZZ = Length in Feet (e.g., "-00600" = 600')