

**Braided Ropes**

When selecting braided ropes, look for these characteristics:

Rope should be firm enough to resist chaffing, snagging and wear but flexible for easy handling and splicing.

The yarns and strands should lay smoothly and uniformly in the rope so they will work together and wear evenly. Unevenness can be detected by sighting down the rope. If it appears wavy or uneven, don't buy it.

The amount of direction of twist in the yarns is essential for top performance in a braid. Look at the individual yarns that make up each strand. Well rounded yarns resist snagging and wear better than flat yarns.

Most braids have an inner core with an outer jacket. As the line is used and flexed, the core may tend to work its way through the outer jacket resulting in a "hernia". Grip the rope with your thumbs facing one another about 2" apart and violently flex the section between your thumbs a dozen or more times. If the jacket opens and exposes the core, it is approaching herniation.

The inner core should lay evenly in the jacket. Lightly grip the rope and run it through your hands. You don't want it if it is "lumpy" or soft. The rope should feel firm and round.

The rope should be heat stabilized to precondition it and keep shrinking and hardening to a minimum.

**Sta-Set**

| Diameter Inches | Diameter Millimeter | Tensile Lbs. | Weight 100 FT | White       |       | White with Color Fleck |       | Solid Color |       |
|-----------------|---------------------|--------------|---------------|-------------|-------|------------------------|-------|-------------|-------|
|                 |                     |              |               | Part Number | Price | Part Number            | Price | Part Number | Price |
| 3/16            | 5mm                 | 1,200        | 1.1           | NESS06W     | 0.31  | NESS06*                | 0.32  |             |       |
| 1/4             | 6mm                 | 2,000        | 1.9           | NESS08W     | 0.46  | NESS08*                | 0.49  | NESS08**    | 0.52  |
| 5/16            | 8mm                 | 3,000        | 3.1           | NESS10W     | 0.61  | NESS10*                | 0.64  | NESS10**    | 0.70  |
| 3/8             | 9mm                 | 4,400        | 4.4           | NESS12W     | 0.79  | NESS12*                | 0.83  | NESS12**    | 0.90  |
| 7/16            | 11mm                | 6,600        | 6.1           | NESS14W     | 1.02  | NESS14*                | 1.07  | NESS14**    | 1.16  |
| 1/2             | 12mm                | 8,200        | 8.0           | NESS16W     | 1.28  | NESS16*                | 1.34  | NESS16**    | 1.44  |
| 9/16            | 14mm                | 11,000       | 10.1          | NESS18W     | 1.65  | NESS18*                | 1.72  | NESS18**    | 1.88  |
| 5/8             | 16mm                | 14,000       | 12.6          | NESS20W     | 1.93  | NESS20*                | 2.03  | NESS20**    | 2.21  |
| 3/4             | 19mm                | 20,000       | 17.6          | NESS24W     | 2.47  | NESS24*                | 2.55  | NESS24**    | 2.82  |
| 1               | 24mm                | 28,000       | 23.7          | NESS32W     | 4.32  |                        |       |             |       |



NESS

**Polyester Cover/Polyester Core.** Conforms to MIL-R-24677. Very low elongation construction. Much less elastic than nylon. Excellent abrasion resistance, wet or dry. Superior resistance to UV degradation. Excellent chemical resistance except to concentrated sulfuric acid and strong alkalis at elevated temperatures. Ideal for use where controlled elongation is required such as sailboat halyards, sheets and control lines.

\*Add Color Code: \*RF (red fleck), BLF (blue fleck), GF (green fleck) \*\* R (solid red), BL (solid blue), G (solid green), BK (solid black)

**Sta-Set X**

| Diameter Inches | Diameter Millimeter | Tensile Lbs. | Weight 100 FT | White       |       | White with Color Fleck |       |
|-----------------|---------------------|--------------|---------------|-------------|-------|------------------------|-------|
|                 |                     |              |               | Part Number | Price | Part Number            | Price |
| 3/16            | 5mm                 | 1,600        | 1.2           | NESSX06W    | 0.34  | NESSX06*               | 0.35  |
| 1/4             | 6mm                 | 2,700        | 2.1           | NESSX08W    | 0.51  | NESSX08*               | 0.53  |
| 5/16            | 8mm                 | 4,400        | 3.4           | NESSX10W    | 0.67  | NESSX10*               | 0.70  |
| 3/8             | 9mm                 | 5,500        | 4.4           | NESSX12W    | 0.81  | NESSX12*               | 0.85  |
| 7/16            | 11mm                | 7,400        | 5.9           | NESSX14W    | 1.05  | NESSX14*               | 1.09  |
| 1/2             | 12mm                | 9,600        | 7.9           | NESSX16W    | 1.36  | NESSX16*               | 1.42  |
| 9/16            | 14mm                | 13,000       | 10.1          | NESSX18W    | 1.71  | NESSX18*               | 1.77  |
| 5/8             | 16mm                | 15,000       | 12.3          | NESSX20W    | 2.04  | NESSX20*               | 2.12  |
| 3/4             | 18mm                | 21,600       | 17.7          | NESSX24W    | 2.65  | NESSX24*               | 2.72  |



NESSX

Sta-Set X is constructed using New England Rope's patented parallel core of polyester fiber contained within a helically wrapped polyester tape and covered by a braided jacket of both spun and filament polyester. This construction creates the softest, strongest, lowest stretch polyester rope available.

\*Add Color Code: RF (red fleck), BLF (blue fleck), GF (green fleck)

**Sta-Set X Plus**

| Diameter Inches | Diameter Millimeter | Tensile Lbs. | Weight 100 FT | Part Number | Price |
|-----------------|---------------------|--------------|---------------|-------------|-------|
| 1/4             | 6mm                 | 2,700        | 1.6           | NESSXP08*   | 0.74  |
| 5/16            | 8mm                 | 4,400        | 2.7           | NESSXP10*   | 1.05  |
| 3/8             | 10mm                | 5,500        | 4.2           | NESSXP12*   | 1.38  |
| 7/16            | 11mm                | 7,500        | 5.4           | NESSXP14*   | 1.78  |
| 1/2             | 12mm                | 9,600        | 6.5           | NESSXP16*   | 2.24  |



NESSXP

\*Add Color Code: W (white), R (red), G (green), BL (blue), BK (black)

Sta-Set X Plus is constructed using New England Rope's patented parallel core design, using Vectran & Polypropylene fibers contained within a helically wrapped polyester tape and covered by a braided jacket of filament polyester.

**T-100**

| Diameter Inches | Diameter Millimeter | Tensile Lbs. | Weight 100 FT | Part Number | Price |
|-----------------|---------------------|--------------|---------------|-------------|-------|
| 3/32            | 2mm                 | 950          | 0.4           | NET10003    | 0.21  |
| 1/8             | 3mm                 | 1,280        | 0.8           | NET10004    | 0.28  |
| 5/32            | 4mm                 | 2,300        | 1             | NET10005    | 0.36  |

Strong, low-stretch cord with a 100% Technora core with a braided polyester cover. This product took the place of Kevcord and is used for very low stretch leach lines by many sailmakers. Not spliceable.