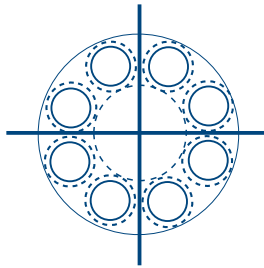


Quantum-8™

Quantum-8 is a lightweight, high-strength, torque-free 8-strand rope that utilizes Samson's patented DPX™ fiber technology, which provides superior abrasion and cut resistance with a higher coefficient of friction.



Description

It floats, grips on a winch or capstan, and has excellent durability. Quantum-8 has an orange Samthane coating for high visibility as well as additional abrasion resistance.

Product Code:
863

Fiber (Core/Cover):
Dyneema®-Polyester Blend

Specific Gravity:
1

Splice:
8 - Strand Class II

Manufacturer:
Samson Rope Technologies, Inc.

Features

- Abrasion resistant
- Compression resistant on winch
- Excellent drum spooling capabilities
- Excellent grip
- Flexible
- Floats
- High coefficient of friction
- High visibility
- Lightweight
- Retains shape with use
- Wire rope replacement

Applications

- Barge and Dredge Working Line
- General Working Line / Vessel Mooring
- H-Bitt Working Line / Tug Assist
- Lifting Sling / Offshore
- Other Fishing Line
- Primary Mooring Line / Non-jacketed
- Tug Mainline
- Tug Pendant
- Winch Line / Offshore
- Winch Line / Tug
- Working Line / Offshore

Quantum-8™

Specifications

| Diameter (in) | Circum. (in) | Weight per 100 ft. (lbs.) | Average Strength (lbs) | Minimum Strength (lbs) | Diameter (mm) | Circum. (mm) | Weight per 100M | Average Strength (kg) | Minimum Strength (kg) | ISO 2307 Strength (mt) |
|---------------|--------------|---------------------------|------------------------|------------------------|---------------|--------------|-----------------|-----------------------|-----------------------|------------------------|
| 1 | 3 | 23.0 | 64,000 | 57,600 | 24 | 72 | 34.2 | 29,000 | 26,100 | 29.0 |
| 1-1/8 | 3-1/2 | 29.1 | 85,000 | 76,500 | 28 | 84 | 43.3 | 38,600 | 34,700 | 38.6 |
| 1-1/4 | 3-3/4 | 35.9 | 114,000 | 103,000 | 30 | 90 | 53.4 | 51,700 | 46,500 | 51.7 |
| 1-5/16 | 4 | 39.7 | 129,000 | 116,000 | 32 | 96 | 59.1 | 58,500 | 52,700 | 58.5 |
| 1-3/8 | 4-1/8 | 43.5 | 137,000 | 123,000 | 34 | 100 | 64.7 | 62,100 | 55,900 | 62.1 |
| 1-1/2 | 4-1/2 | 51.8 | 183,000 | 165,000 | 36 | 108 | 77.1 | 83,000 | 74,700 | 83.0 |
| 1-5/8 | 5 | 60.7 | 220,000 | 198,000 | 40 | 120 | 90.3 | 99,800 | 89,800 | 99.8 |
| 1-3/4 | 5-1/2 | 70.4 | 253,000 | 228,000 | 44 | 132 | 105 | 115,000 | 103,000 | 115 |
| 2 | 6 | 92.0 | 322,000 | 290,000 | 48 | 144 | 137 | 146,000 | 131,000 | 146 |
| 2-1/8 | 6-1/2 | 104 | 360,000 | 324,000 | 52 | 156 | 155 | 163,000 | 147,000 | 163 |
| 2-1/4 | 7 | 116 | 395,000 | 356,000 | 56 | 168 | 173 | 179,000 | 161,000 | 179 |
| 2-3/8 | 7-1/8 | 130 | 440,000 | 396,000 | 57 | 174 | 193 | 200,000 | 180,000 | 200 |
| 2-1/2 | 7-1/2 | 144 | 485,000 | 437,000 | 60 | 180 | 214 | 220,000 | 198,000 | 220 |
| 2-5/8 | 8 | 158 | 530,000 | 477,000 | 64 | 192 | 235 | 240,000 | 216,000 | 240 |
| 2-3/4 | 8-1/2 | 174 | 580,000 | 522,000 | 68 | 204 | 259 | 263,000 | 237,000 | 263 |
| 3 | 9 | 207 | 686,000 | 617,000 | 72 | 216 | 308 | 311,000 | 280,000 | 311 |
| 3-1/4 | 10 | 243 | 800,000 | 720,000 | 80 | 240 | 362 | 363,000 | 327,000 | 363 |
| 3-5/8 | 11 | 289 | 944,000 | 850,000 | 88 | 264 | 430 | 428,000 | 385,000 | 428 |
| 4 | 12 | 369 | 1,199,000 | 1,079,000 | 96 | 288 | 549 | 544,000 | 489,000 | 544 |
| 4-1/4 | 13 | 435 | 1,399,000 | 1,259,000 | 104 | 312 | 647 | 635,000 | 571,000 | 635 |
| 4-5/8 | 14 | 503 | 1,613,000 | 1,452,000 | 112 | 336 | 748 | 732,000 | 658,000 | 732 |
| 5 | 15 | 580 | 1,842,000 | 1,658,000 | 120 | 360 | 863 | 836,000 | 752,000 | 836 |
| 5-1/4 | 16 | 663 | 2,106,000 | 1,895,000 | 128 | 384 | 987 | 955,000 | 860,000 | 955 |
| 5-1/2 | 16-1/2 | 760 | 2,366,000 | 2,129,000 | 134 | 400 | 1,131 | 1,073,000 | 966,000 | 1,073 |
| 6 | 18 | 856 | 2,615,000 | 2,354,000 | 152 | 456 | 1,274 | 1,186,000 | 1,068,000 | 1,186 |

* ISO strength specifications are for unspliced rope. All other strength specifications are for spliced rope.