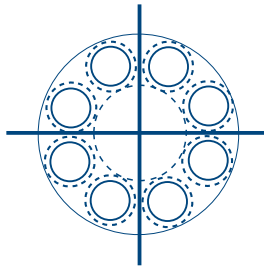


# Quantum-8™

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.