

Quantum-8

8-STRAND CLASS II

PRODUCT CODE: 863

A lightweight, high strength floating line that has excellent grip on hardware



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 than other high modulus polyethylene ropes. It floats, grips on hardware, and has excellent durability. Quantum-8 has an orange urethane coating for high visibility as well as additional abrasion resistance.

FEATURES AND BENEFITS

- > Wire replacement
- > Abrasion resistant
- > Excellent grip
- > Excellent drum spooling capabilities
- > Compression resistant on winch
- > Lightweight
- > Flexible
- > Retains shape with use
- > Floats
- > Highly visible

APPLICATIONS

VESSEL MOORING

- > General working line
- > Primary mooring line

TUG

- > Barge and dredge working line
- > H-bitt working line
- > Mainline
- > Pendant
- > Winch line

OFFSHORE

- > Lifting sling
- > Winch line
- > Working line

COMMERCIAL FISHING

- > Other fishing line

SPECIFICATIONS¹

FIBER: DPX™ fiber technology: a Dyneema®-polyester blend

SPECIFIC GRAVITY: 1.00

STANDARD COLOR: Orange

ELASTIC ELONGATION PERCENTAGE

<i>At % of break strength</i>	
10%	0.97%
20%	1.15%
30%	1.29%

SPLICE: 8-strand Class II

¹Due to our continued research and development of product performance, the specifications listed herein are subject to change. For the most current sizes, weights, and strengths, go to SamsonRope.com.



SIZE DIAMETER INCHES	SIZE CIRC. INCHES	WEIGHT PER 100 FT. POUNDS	SAMSON MBS* POUNDS	SIZE DIAMETER MILLIMETERS	WEIGHT PER 100 m KILOGRAMS	SAMSON MBS* METRIC TONS	ISO 2307 STRENGTH** METRIC TONS
1"	3"	23.0 lb	57,600 lb	24 mm	34.2 kg	26.1 t	29.0 t
1-1/8"	3-1/2"	29.1 lb	76,500 lb	28 mm	43.3 kg	34.7 t	38.6 t
1-1/4"	3-3/4"	35.9 lb	103,000 lb	30 mm	53.4 kg	46.5 t	51.7 t
1-5/16"	4"	39.7 lb	116,000 lb	32 mm	59.1 kg	52.7 t	58.5 t
1-3/8"	4-1/8"	43.5 lb	123,000 lb	34 mm	64.7 kg	55.9 t	62.1 t
1-1/2"	4-1/2"	51.8 lb	165,000 lb	36 mm	77.1 kg	74.7 t	83.0 t
1-5/8"	5"	60.7 lb	198,000 lb	40 mm	90.3 kg	89.8 t	99.8 t
1-3/4"	5-1/2"	70.4 lb	228,000 lb	44 mm	105 kg	103 t	115 t
2"	6"	92.0 lb	290,000 lb	48 mm	137 kg	131 t	146 t
2-1/8"	6-1/2"	104 lb	324,000 lb	52 mm	155 kg	147 t	163 t
2-1/4"	7"	116 lb	356,000 lb	56 mm	173 kg	161 t	179 t
2-3/8"	7-1/8"	130 lb	396,000 lb	57 mm	193 kg	180 t	200 t
2-1/2"	7-1/2"	144 lb	437,000 lb	60 mm	214 kg	198 t	220 t
2-5/8"	8"	158 lb	477,000 lb	64 mm	235 kg	216 t	240 t
2-3/4"	8-1/2"	174 lb	522,000 lb	68 mm	259 kg	237 t	263 t
3"	9"	207 lb	617,000 lb	72 mm	308 kg	280 t	311 t
3-1/4"	10"	243 lb	720,000 lb	80 mm	362 kg	327 t	363 t
3-5/8"	11"	289 lb	850,000 lb	88 mm	430 kg	385 t	428 t
4"	12"	369 lb	1,079,000 lb	96 mm	549 kg	489 t	544 t
4-1/4"	13"	435 lb	1,259,000 lb	104 mm	647 kg	571 t	635 t
4-5/8"	14"	503 lb	1,452,000 lb	112 mm	748 kg	658 t	732 t
5"	15"	580 lb	1,658,000 lb	120 mm	863 kg	752 t	836 t
5-1/4"	16"	663 lb	1,895,000 lb	128 mm	987 kg	860 t	955 t
5-1/2"	16-1/2"	760 lb	2,129,000 lb	134 mm	1131 kg	966 t	1073 t
6"	18"	856 lb	2,354,000 lb	152 mm	1274 kg	1068 t	1186 t

*Spliced strength **This standard replaces BS EN 919 and ISO 2307:1995 and is for unspliced strengths.

