

Neutron-8

8×3-STRAND CLASS II
PRODUCT CODE: 867

An extremely strong rope made with an 8×3 construction

Neutron-8 is an excellent floating replacement for large diameter wire rope or chain. The unique patented construction results in an extremely high strength-to-weight ratio with reduced compression and less diving on winch drums. Neutron-8 is ideal for tractor-tug working lines and a variety of specialty deepwater applications where long lengths, high strength, and low weight are critical.

Recommended for split-drum or single-drum winch applications, and not recommended for use on H-bitts, capstans, or cleats if surging or rendering the rope is required.

FEATURES AND BENEFITS

- > Wire rope replacement
- > Retains shape on winch drum
- > Low stretch
- > Flexible
- > UV resistant
- > Durable
- > Easy to inspect
- > Easy to splice in the field
- > Available in large diameter sizes
- > Available in long lengths

APPLICATIONS

VESSEL MOORING

- > First line ashore/emergency towing system
- > General working line

TUG

- > Mainline
- > Winch line

OFFSHORE

- > Lifting Sling
- > Winch Line
- > Working Line

SPECIFICATIONS[†]

FIBER: Dyneema®

SPECIFIC GRAVITY: 0.98 (floats)

STANDARD COLOR: Green

ELASTIC ELONGATION PERCENTAGE

At % of break strength

10%	0.70%
20%	0.90%
30%	1.20%

[†]Due 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
2"	6"	95.4 lb	405,000 lb	48 mm	142 kg	184 t	204 t
2-1/8"	6-1/2"	101 lb	441,000 lb	52 mm	151 kg	200 t	222 t
2-1/4"	7"	114 lb	490,000 lb	56 mm	169 kg	222 t	247 t
2-1/2"	7-1/2"	140 lb	596,000 lb	60 mm	209 kg	270 t	300 t
2-5/8"	8"	162 lb	652,000 lb	64 mm	241 kg	296 t	328 t
2-3/4"	8-1/2"	170 lb	711,000 lb	68 mm	253 kg	322 t	358 t
3"	9"	202 lb	835,000 lb	72 mm	301 kg	379 t	421 t
3-1/4"	10"	237 lb	998,000 lb	80 mm	353 kg	453 t	503 t
3-1/2"	10-1/2"	267 lb	1,091,000 lb	86 mm	397 kg	495 t	550 t
3-5/8"	11"	295 lb	1,185,000 lb	88 mm	439 kg	538 t	597 t
4"	12"	359 lb	1,422,000 lb	96 mm	534 kg	645 t	717 t
4-1/4"	13"	406 lb	1,591,000 lb	104 mm	603 kg	722 t	802 t
4-5/8"	14"	480 lb	1,861,000 lb	112 mm	715 kg	844 t	938 t
5"	15"	561 lb	2,150,000 lb	120 mm	835 kg	975 t	1084 t
5-1/4"	16"	619 lb	2,353,000 lb	128 mm	921 kg	1,067 t	1186 t

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

WITH
Dyneema®

