

**STRAND  
CONSTRUCTION**

## Neutron®-8 Product Code: 867

**Class II**

**The strongest rope made by Samson –  
Patented 8x3-strand construction with a firm cross section for use on winches**

**FEATURES:**

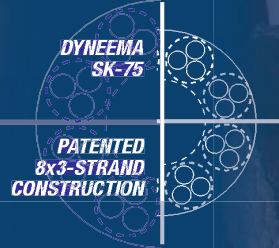
- > Firm shape retention on single drum winch applications
- > Available in large diameter sizes and long lengths
- > Low stretch, high durability and easy to splice
- > A flexible rope made with Dyneema® SK-75
- > A floating wire rope replacement

**APPLICATIONS:**

- > Tractor tug winch line
- > Specialized deep water mooring or lifting projects
- > First line ashore/emergency tow line
- > Wire rope lifting sling replacement

Neutron®-8 is an excellent floating replacement for large diameter wire rope or chain. The unique, patented construction results in the highest 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 deep water applications where long lengths, high strength and low weight are critical.

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



Size Diameter INCHES	Size Circumference INCHES	Weight Per 100 FT. POUNDS	SRT MBS* POUNDS	Size Diameter MILLIMETERS	Weight Per 100 M KILOGRAMS	SRT MBS* METRIC TONNES	ISO/BS EN919 MBS METRIC TONNES
2	6 in.	89.8	405,000 lbs.	48	134.0 Kg	184.0	204.0 MT
2-1/8	6-1/2 in.	101.0	441,000 lbs.	52	151.0 Kg	200.0	222.0 MT
2-1/4	7 in.	114.0	490,000 lbs.	56	169.0 Kg	224.0	247.0 MT
2-1/2	7-1/2 in.	140.0	596,000 lbs.	60	209.0 Kg	270.0	300.0 MT
2-5/8	8 in.	155.0	652,000 lbs.	64	230.0 Kg	296.0	328.0 MT
2-3/4	8-1/2 in.	170.0	711,000 lbs.	68	253.0 Kg	322.0	358.0 MT
3	9 in.	202.0	835,000 lbs.	72	301.0 Kg	379.0	421.0 MT
3-1/4	10 in.	237.0	998,000 lbs.	80	353.0 Kg	453.0	503.0 MT
3-5/8	11 in.	295.0	1,185,000 lbs.	88	439.0 Kg	538.0	597.0 MT
4	12 in.	359.0	1,422,000 lbs.	96	534.0 Kg	645.0	717.0 MT
4-1/4	13 in.	406.0	1,591,000 lbs.	104	603.0 Kg	722.0	802.0 MT
4-5/8	14 in.	480.0	1,861,000 lbs.	112	715.0 Kg	844.0	938.0 MT
5	15 in.	561.0	2,150,000 lbs.	120	835.0 Kg	975.0	1,084.0 MT
5-1/4	16 in.	619.0	2,353,000 lbs.	128	921.0 Kg	1,067.0	1,186.0 MT
5-1/2	17 in.	679.0	2,565,000 lbs.	136	1,011.0 Kg	1,163.0	1,293.0 MT

\*Spliced strength

**SPECIFICATIONS:**

**Specific Gravity:**  
.98 (floats)

**Elastic Elongation Percentage:**

At % of break strength  
10% .....0.70%  
20% .....0.90%  
30% .....1.20%

**Splicing Procedures Required:**

- > EYE SPLICE  
8x3-Strand/Class II Rope
- > END FOR END SPLICE  
8x3-Strand/Class II Rope

### PRODUCT SPOTLIGHT {NEUTRON®-8}

Samson pioneered the implementation of HMPE tug assist lines with AmSteel®Blue. The extremely lightweight, non-water absorbing braided ropes made with Dyneema® have replaced wire rope or other larger circumference and heavier polyester working lines. Products such as AmSteel®Blue, Neutron®8, and Proton®8 allow tug operators to handle lines with fewer crew members, thus saving money.

