

Neutron-12™

Neutron-12™ is an excellent wire rope replacement with extremely low stretch, superior flex fatigue and increased wear resistance.



Description

Braided in a torque-free 12x3 construction, each of the 12 strands is made of 3-strand sub ropes. This construction provides enhanced bend fatigue performance and abrasion resistance while maximizing the strength-to-weight ratio. Neutron-12 is size-for-size the same strength as steel-wire rope, yet it's so light, it floats.

Product Code:
842

Fiber (Core/Cover):
Dyneema®

Specific Gravity:
.98 (Floats)

Manufacturer:
Samson Rope Technologies, Inc.

Features

- Easy to handle
- Easy to inspect
- Easy to splice
- Flexible
- Floats
- Lightweight
- Torque-free construction
- Wire rope replacement

Applications

- First Ashore / Emergency Tow System
- Lifting Sling / Offshore
- Specialized deepwater lifting
- Winch Line / Offshore
- Winch Line / Tug

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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)
4	12	399	1,728,000	1,555,000	96	288	594	784,000	705,000
4-1/4	13	452	1,928,000	1,735,000	104	312	673	875,000	787,000
4-1/2	13-1/2	504	2,134,000	1,921,000	110	328	750	968,000	871,000
4-5/8	14	551	2,339,000	2,105,000	112	336	820	1,061,000	955,000
5	15	609	2,556,000	2,300,000	120	360	906	1,159,000	1,043,000
5-1/4	16	667	2,784,000	2,506,000	128	384	992	1,263,000	1,137,000
5-1/2	16-1/2	730	3,024,000	2,722,000	134	400	1,086	1,372,000	1,235,000
5-3/4	17-1/4	793	3,271,000	2,944,000	146	438	1,180	1,484,000	1,335,000
6	18	819	3,390,000	3,051,000	152	456	1,219	1,538,000	1,384,000
6-1/8	18-1/2	861	3,520,000	3,168,000	156	468	1,281	1,597,000	1,437,000
6-1/4	19	924	3,780,000	3,402,000	158	474	1,375	1,715,000	1,543,000
6-1/2	19-1/2	998	4,051,000	3,646,000	164	492	1,485	1,838,000	1,654,000
6-9/16	19-3/4	1,029	4,190,000	3,771,000	166	500	1,531	1,901,000	1,711,000
6-5/8	20	1,066	4,332,000	3,899,000	168	504	1,586	1,965,000	1,768,000
7	21	1,145	4,613,000	4,152,000	178	534	1,704	2,092,000	1,883,000
7-1/4	22	1,229	4,917,000	4,425,000	184	552	1,829	2,230,000	2,007,000

MATERIALS | NEUTRON-12™

MATERIALS

