B/A PRODUCTS CO.
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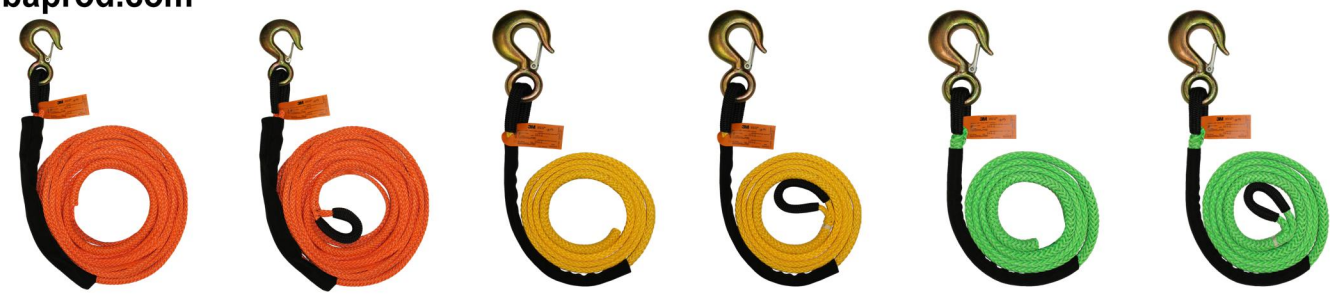
NEW FROM B/A

SYNTHETIC WINCH LINES

ATLANTIC BRAIDS *Strength you can count on!* SupreemX-12™ made with DYNEEMA®



Synthetic Winch Line with Hoist Hook		
Size	Color	Part#
3/8" x 50'	ORANGE	4-R3850
3/8" x 75'	ORANGE	4-R3875
3/8" x 100'	ORANGE	4-R38100
3/8" x 150'	ORANGE	4-R38150
7/16" x 50'	YELLOW	4-R71650
7/16" x 75'	YELLOW	4-R71675
7/16" x 100'	YELLOW	4-R716100
7/16" x 150'	YELLOW	4-R716150
1/2" x 50'	GREEN	4-R1250
1/2" x 75'	GREEN	4-R1275
1/2" x 100'	GREEN	4-R12100
1/2" x 150'	GREEN	4-R12150

Synthetic Winch Line with Hoist Hook and Extension Eye		
Size	Color	Part#
3/8" x 50'	ORANGE	4-RE3850
3/8" x 75'	ORANGE	4-RE3875
3/8" x 100'	ORANGE	4-RE38100
3/8" x 150'	ORANGE	4-RE38150
7/16" x 50'	YELLOW	4-RE71650
7/16" x 75'	YELLOW	4-RE71675
7/16" x 100'	YELLOW	4-RE716100
7/16" x 150'	YELLOW	4-RE716150
1/2" x 50'	GREEN	4-RE1250
1/2" x 75'	GREEN	4-RE1275
1/2" x 100'	GREEN	4-RE12100
1/2" x 150'	GREEN	4-RE12150

Benefits - Extremely high strength, Lightweight, Abrasion Resistant, Low Stretch, Super Tough / High Wear, Flexible - more torque/layer, Safer Handling, No Razor Edges, Low Recoil, No Shrapnel, 1/7th the weight of Steel Cable.

Safety - Should your synthetic rope break, the energy released is much less than that of steel cable. Also, the rope is lighter and softer, reducing the chances of injury even further.

Lightweight - Weighs significantly less (1/7th the weight) of steel cable, making it much easier to use and handle, especially on long recoveries where extensions may be needed.

No Memory Means No Flat Spots or Kinks - Even if the rope winds back on itself in the winch, any visible flat spots are purely aesthetic and disappear once put under load.

Floats on Water - For those that do a lot of water recoveries, this property has a profound impact on safety and ease of use.

Size Color Coding - We have created each size of synthetic rope with its own color, making it easy to identify its size and WLL.
3/8" Rope is color coded in Orange and has a WLL of 4,100 lbs.
7/16" Rope is color coded in Yellow and has a WLL of 5,200 lbs.
1/2" Rope is color coded in Green and has a WLL of 7,600 lbs.

"Birds Nesting" No Longer an Issue - Again, the rope can wind back on itself and dig back into itself however it will cause no damage to the rope and is easier to pull out vs. steel cable.

Safer on Hands - The rope is smooth with no burrs, reducing the chance of cuts and injuries during usage.

Can be Made in Any Length - Synthetic rope can be made to any length to fit your needs.

B/A PRODUCTS CO. / 8925 MCGAW COURT / COLUMBIA, MD 21045 / PHONE: (800) 327-3301 / FAX: (410) 381-6358

Pro's

- **Safety** - Should your synthetic rope break, the energy released is much less than that of steel cable. Also, the rope is lighter and softer, reducing the chances of injury even further.
- **Light weight** - Weighs significantly less than steel making it much easier to use and handle, especially on long recoveries where extensions may be needed.
- **Safer on hands** - The rope is smooth with no burrs, reducing the chance of cuts and injuries during use.
- **No memory means no flat spots or kinks** - Even if the rope winds back on itself in the winch, any visible flat spots are purely aesthetic and disappear once put under load.

Pro's Continued...

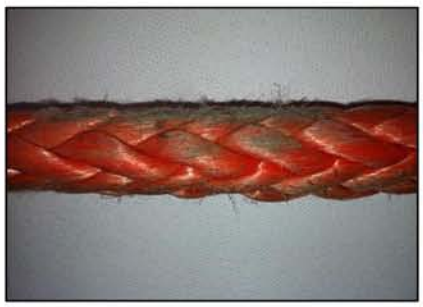
- **"Bird Nesting" no longer an issue** - Again, the rope can wind back on itself and dig back into itself, however, it will cause no damage to the rope and is easier to pull out vs. steel cable.
- **Floats on water** - For those that do a lot of water recoveries, this property has a profound impact on safety and ease of use.

Con's

- **Sharp edges** - The main danger in working with synthetics is sharp edges. SupreemX-12 is extremely abrasion resistant, however, if under tension against a sharp edge the risk of severing the fibers is high. This means extra caution must be taken when working with damaged vehicles or other situations that put the rope against sharp edges. We recommend not hooking up the rope directly to the damaged vehicle, but rather hook up to a v chain or bridle.

Lifespan

As with steel cable, the lifespan of a synthetic winch line is extremely variable, depending on usage frequency, loads applied and amount of wear and tear. If treated and used correctly, the synthetic lines should last every bit as long as steel and longer.



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Sheaves & Side Pullers

Our synthetic winch lines work in almost all applications, including through sheaves and side pullers. There are some important points to make on this subject.

- Your line must be sitting clean in all the sheaves. Should your line be sitting on the edge and be under tension, the line could be severed.
- Also, be sure your line is sized properly for your sheaves. Synthetic lines flatten down under tension and if your line is too large for your sheave it could go over the edge of the pulley causing the fibers to be damaged or cut.

At the entrance of many sheave guides is a straight cut piece of square steel. These edges are extremely sharp and are a risk to the synthetic winch lines. To resolve this, the edges would need to be rounded to ensure a smooth entrance.

Normal Wear & Line Retirement

One element of synthetics that will take some getting used to is "What is normal wear and tear?" and "What does it look like?" Where steel cable holds its look other than flat spots and dirt, synthetic fiber takes on a worn look as it is used. Many people ask if this is normal and how do they know when the rope has been compromised.

The photo above shows a rope that has gone through sheaves multiple times. As the rope is used it is normal for the color to fade slightly as well for the rope to become a little "hairy". This does not compromise the strength of the rope. What does compromise the strength are partly severed strands, completely severed strands or visible damage to the rope.

Many tow operators are working with synthetic tow lines for the first time are not used to its properties. This is all part of the learning curve. As operators become more familiar with the rope they will be able to identify what is normal wear and what is a flaw in the line.