

Improve Winch Safety and Efficiency to Mining Operations with Samson

Samson synthetic ropes are as strong as wire rope, but at just 1/7th the weight of wire rope, they provide superior winching capability and are easier to deploy and maintain. Samson offers significantly safer handling and increased operational efficiencies. Why re-invest in the inefficient and hazardous handling of wire rope for winching when the proven superior solution is clear?

Features & Benefits of Saturn-12 & AmSteel®Blue

- Size-for-size strength replacement for wire rope at only 1/7th the weight
- Safer handling due to lighter weight and greater flexibility
- Less downtime during change-outs
- Reduced labor costs
- Increased winching capability
- Easy inspection and field splicing
- Easy eye re-splicing
- Similar elastic elongation to wire rope
- Reduced exclusion zones due to torque free/resistant rope
- Saturn-12's revolutionary coating radically reduces abrasion and friction at winch surfaces

Saturn-12

AmSteel®Blue

WITH
Dyneema®



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Saturn-12

Product Code 882

SPLICE/CLASS:

12-strand Class II

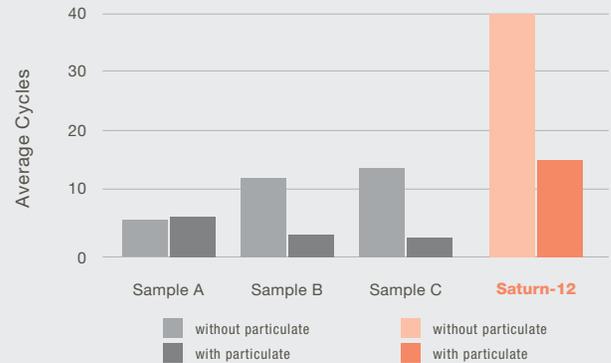
Saturn-12 offers all the breakthrough weight and strength benefits of AmSteel®Blue.

Next-generation abrasion resistance increases residual strength by 15–20% when compared with other conventionally coated HMPE lines. The unique combination of lightweight, high-strength, and low-stretch features make it ideal for quick, efficient connections and controlled response. Saturn-12 is a torque-free, 12-strand single braid synthetic line delivering a strength-to-weight ratio that is far superior to wire rope. It is also more cost effective for the long term. Tested in extreme conditions, Saturn-12 is proven to provide a longer service life while reducing costs when compared to standard HMPE ropes available today.

- Designed to withstand abrasive environments
- Tested in an environment that replicates actual mine conditions
- Lasted more than 5 times longer than the average of the other 3 ropes tested (see chart)

AVERAGE CYCLES TO FAILURE

Comparison of other ropes & Saturn-12:
tested lifespan with & without limestone particulate



Saturn-12 lasted more than 5 times longer than the average of the other 3 ropes tested.

AmSteel®Blue

Product Code 872

SPLICE/CLASS:

12-strand Class II

Gain the advantages of lighter weight and greater flexibility in winch lines without sacrificing strength.

Size-for-size, AmSteel®Blue has the same strength as steel wire rope, at 1/7th the weight, making it a far superior choice. This torque-free, 12-strand, single braid synthetic line yields the maximum in strength-to-weight ratio. Its ultra high quality, lightweight construction increases safety and operating efficiencies through reduced handling injuries and less downtime when changing out the lines. AmSteel®Blue's industry leading performance includes extremely low stretch, superior flex fatigue and wear resistance. AmSteel®Blue is further enhanced by the benefits of Samthane coating for effective abrasion and cut resistance.



For full product specifications, go to SamsonRope.com



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