

# KATRADIS MARINE ROPES INDUSTRY S.A.

Synthetic Ropes • Steel Wire Ropes • Anodes • Anchors & Studlink Anchor chains • Worldwide Service

## DATA SHEET

### Spectra-Siri® S-12 U-Cover



## The strong and durable HMPE ropes



**Spectra-Siri® S-12 U-COVER are High Modulus / High Performance ropes with long term service life and outstanding quality performance. Made of Honeywell's Spectra® fibers, these ropes are intended for demanding applications (offshore mooring, deepwater installations, lifting, etc.).**

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## The superior quality of Spectra® fibers



Supplied by Honeywell (USA), Spectra fibers are widely used in the construction of High-Performance mooring ropes and exhibit inherent advantages compared to other UHMWPE competitive fibers.

**(UHMWPE: Ultra High Molecular Weight Polyethylene)**



**Honeywell**

### Fiber Properties

| Specific Gravity | Melting point | Tenacity    | Elongation at break | Chemical resistance | UV Resistance |
|------------------|---------------|-------------|---------------------|---------------------|---------------|
| 0.97             | 145 °C        | > 37 gr/den | 3.1 %               | Very Good           | Excellent     |

### Advantages of HMPE Spectra® fibers:

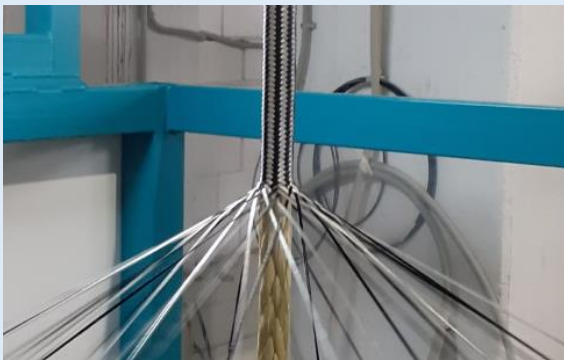
- Very high strength-to-weight ratio
- Durability even in the most demanding working conditions
- Abrasion and fatigue resistance

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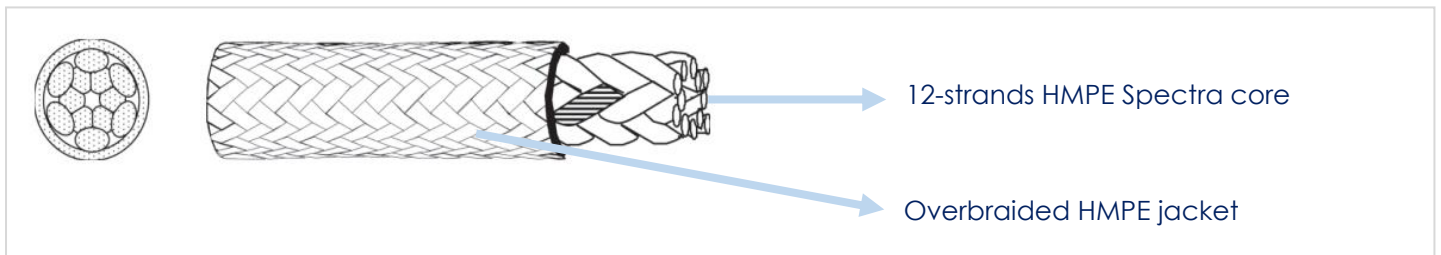
## Spectra-Siri® S-12 U-COVER ropes. Manufactured and Certified as per International standards

**Spectra-Siri® S-12 U-COVER** consist of a 12-strand HMPE core (Spectra® fibers), overbraided by protective jacket according to ISO 10325 standard. This rope construction is firm, round and rotation resistance.



The overbraided jacket provides:

- ✓ Abrasion resistance
- ✓ UV sunlight protection
- ✓ Twisting indication
- ✓ Reduced Snap Back



### Rope Properties

| Specific Gravity           | Melting point | Elongation at break | Chemical resistance | UV Resistance |
|----------------------------|---------------|---------------------|---------------------|---------------|
| 0.97<br>(with HMPE jacket) | 145 °C        | 3.5 %               | Very Good           | Excellent     |

- ✓ Processed with NIKA-Thane Polyurethane coating for excellent uniformity & abrasion resistance during operations.



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## Spectra-Siri S12 U-COVER High Performance Ropes



### BENEFITS

- Easy to handle – User friendly
- Non-rotating when under load
- Equal strength wet and dry
- low snap back
- Cost-saving due to very long service lifetime compared to competitive high modulus ropes