

## AR78 – Filament Coated Performance Single Braid

AR78 is a premium, lightweight, ultra-high-strength single braid engineered for extreme load applications where minimal elongation, maximum strength, and long-term durability are critical. Manufactured using advanced filament-coated Dyneema® SK78 fibers, AR78 delivers exceptional load-holding capability and precise control under both sustained and cyclic loading conditions.

### Key Features

- Filament coated to last longer
- Ultra-low elongation for precise load control
- Exceptional strength-to-weight ratio
- Very high abrasion resistance
- Excellent UV and environmental resistance
- Zero water absorption
- Fully spliceable



### Construction

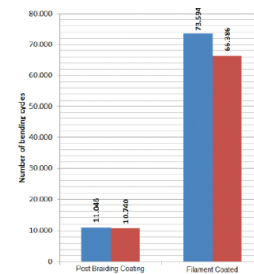
- Material: Filament Coated Dyneema® SK78(6x Better)
- Braid Type: 12-strand high-performance single braid
- Cover: None

### Typical Applications

- High-load purchase systems
- Running rigging for performance sailing
- Industrial load-bearing applications

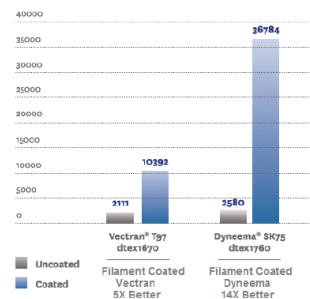
Diameter (mm)	Weight (lbs/100 ft)	Breaking Load (lbs)
1.8	0.16	990
2.3	0.25	1,251
3	0.36	2,189
4	0.66	4,523
5	0.86	5,183
6	1.19	7,671
7	1.88	11,790
8	2.21	13,995
9.5	2.66	17,835
11	3.91	25502
12	5.03	32750

### Testing Data for Filament Coated Line



**Bend Fatigue Test:** Bend cycles of the filament coated line vs. the post-braiding coated line was over 6X better.

### YARN-ON-YARN ABRASION



**Yarn-on-Yarn abrasion Test:** Filament coated Dyneema was 14x better than uncoated and 5x better with Vectran.

