Aracom Miniline

Aracom Miniline combines a low helix angle core of Technora® Aramid with a very tightly woven over-braid of thin polyester. Aracom Miniline provides the maximum strength–to-weight ratio in a composite Aramid polyester construction.

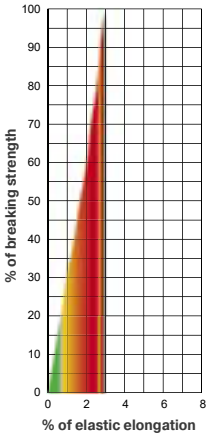
Aracom Miniline can also be ordered with fuzz fairing, which is highly effective at eliminating strum and reducing drag where application is either hydrodynamic or aerodynamic. Yale's faired ropes can be wound on a reel without any damage to the fairing or rope. Contact Yale for more details.

Specifications

Diameter Inches	Diameter mm	Weight Lbs/100ft	Weight Kg/100m	Average Spliced Break Strength* Lbs	Average Spliced Break Strength* Kg	Minimum Spliced Break Strength* Lbs	Minimum Spliced BreakStrength* Kg	Maximum** Work Load 5:1 Lbs	Maximum** Work Load 5:1 Kg
1/16	2	0.2	0.3	470	210	423	189	94	42
3/32	2.4	0.4	0.6	890	400	801	360	178	80
1/8	3	0.8	1.2	1,730	785	1,557	707	346	157
5/32	4	1.0	1.5	2,500	1,135	2,250	1,022	500	227
3/16	5	1.7	2.5	4,200	1,905	3,780	1,715	840	381
1/4	6	2.5	3.7	6,300	2,860	5,670	2,574	1,260	572
5/16	8	3.3	4.9	8,400	3,810	7,560	3,429	1,680	762
3/8	10	4.2	6.3	13,790	6,260	12,411	5,634	2,758	1,252
7/16	11	6.7	10.0	17,320	7,860	15,588	7,074	3,464	1,572
1/2	13	8.0	11.9	22,000	9,985	19,800	8,987	4,400	1,997
9/16	14	10.6	15.8	30,500	13,845	27,450	12,461	6,100	2,769
5/8	16	12.0	17.9	36,000	16,340	32,400	14,706	7,200	3,268
3/4	19	21.0	31.3	56,000	25,420	50,400	22,878	11,200	5,084
7/8	22	25.9	38.6	78,000	35,410	70,200	31,869	15,600	7,082
1	25	33.9	50.5	94,000	42,675	84,600	38,408	18,800	8,535

* Knots and abrupt bends significantly reduce the strength of all ropes and lower maximum working load.

** Working load is based on static or moderately dyanmic lifting/pulling operations. Instantaneous changes in load, up or down, in excess or 10% of the rope's related working load constitute hazardous shock load and would void the normal working-load recommendation. Consult Yale Cordage for guidelines for working loads and the safe use of rope.



Energy Absorption
The colored area under the curve represents the rope's energy-absorption capability.
- Green working 100 ft. lbs./lb.
- Red ultimate 4,906 ft. lbs./lb.

Dielectric Strength: Due to their moisture gain, high-dielectric applications are not recommended for Aracom T and Aracom Miniline.

Approved Splice Technique: #10015111.

Maximum Working Load
Minimum Break Strength
Average Break Strength

Specific Gravity: 1.40

Fuzz Fairings: Yale Cordage designs combinations of high - performance fairings specifically for the ocean environment in almost any configuration. In use, they contribute significantly to drag reduction, strum suppression and longitudinal damping. Some obvious benefits are longer cable life and reduced background noise for better data. Special handling is not required, it won't hamper deployment gear, and it is cost effective. Fairings are used to towed array configurations, drifting buoys, moored arrays (surface and subsurface), and many drogue applications due to a recently developed stiff bristle fairing.

Technora®
The power of Aramid