

Ultrax Endurance

Built For Durability

Single Braid



When an application requires a rope that is built for abrasion resistance and longevity in tough conditions, look to Ultrax E. Advanced fiber technologies, engineering, and strategic fiber selection provides Ultrax Endurance with dependable strength and next level abrasion resistance, out performing other ropes especially in high abrasion environments. This rope is manufactured in the United States using premium imported HMPE fiber, providing improved sheave-cycling performance compared to other high-tech fibers.

The 12-strand single braid construction of Ultrax Endurance, combined with optimized braid angles, and high denier yarns, are designed to provide Ultrax E with reliable and consistent break strength while keeping elongation low and durability high. To further enhance the abrasion durability of Ultrax E, fiber and strand-level coatings are applied during the fabrication process, greatly improving abrasion resistance and overall handling.



Diameter (in)	Spliced Minimum Breaking Strength (lbf)*	Unspliced Minimum Breaking Strength (lbf)**	Average Breaking Strength (lbf)	Weight (lb/100ft)
1/16	720	790	800	0.1
1/8	1,800	1,900	2,000	0.3
5/32	2,500	2,700	2,800	0.5
3/16	5,100	5,600	5,700	1.0
1/4	7,900	8,600	8,800	1.6
5/16	12,500	13,500	14,000	2.3
3/8	17,000	18,500	19,000	3.3
7/16	22,500	24,500	25,000	4.5
1/2	32,000	35,000	36,000	6.4
9/16	38,000	41,500	42,500	8.0
5/8	45,000	49,500	50,000	9.2
3/4	64,000	70,000	72,000	13.8
7/8	86,000	94,000	96,000	17.7
1	100,000	110,000	115,000	24.2
1-1/8	125,000	135,000	140,000	28.7
1-1/4	150,000	165,000	170,000	35.3
1-5/16	160,000	175,000	180,000	41.8
1-1/2	210,000	230,000	235,000	55.6
1-5/8	260,000	285,000	290,000	63.1
1-3/4	285,000	310,000	320,000	75.4
2	340,000	370,000	380,000	89.3

*Knots and abrupt bends significantly reduce the strength of all ropes.