

A 12-Strand HMPE Rope with Supreme Break Strengths and Very Low Elongation.

The TuffX-12 has the same strength and stretch properties as steel wire, but at a fraction of the weight. Ideal for utility stringing lines or industrial lifting applications. Available in diameters ranging from 3/16" to 1 1/2" at the length you require.

- High Strength and very low stretch
- Optimised Twist and Braid angles to deliver ultimate strength
- Easy to splice
- Light weight and floats on water
- Abrasion Resistant Coating
- Flexible construction
- Zero Water Absorption
- Superior UV, chemical and abrasion resistance
- Unlimited Lengths available
- Industry standard label requirements can be implemented on request (i.e ASME B30.30, ANSI, ASTM etc)
- Ideal for Utility Line Stringing, winch lines and Industrial lifting slings
- Scannable Compatibility – Unique product serialization to allow for track/trace and equipment inspections on the Scannable platform at the tap of a phone (minimums apply)



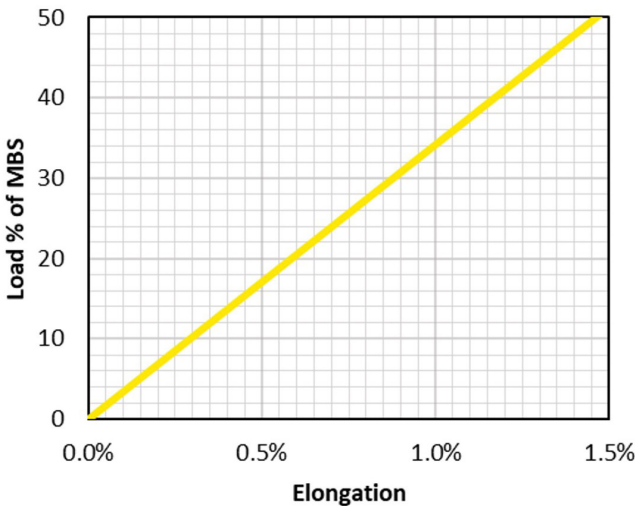
Rope Construction	12-Strand Single Braid
Material	HMPE
Specific Gravity	0.97
Melting Point	148°C (298°F)
Elongation at Break	3.5%
Fiber water absorption	0%
UV resistance	Excellent
Chemical Resistance	Excellent
Abrasion resistance	Excellent

SPECIFICATIONS

Nominal Diameter		Weight		Average Break Strength		Minimum Break Strength	
(in)	(mm)	lbs/100ft	kg/100m	(lbs)	(kgs)	(lbs)	(kgs)
3/16	4.8	0.95	1.42	6,210	2,823	5,580	2,536
1/4	6.4	1.6	2.4	10,000	4,545	9,000	4,091
5/16	7.9	2.4	3.6	14,800	6,727	13,320	6,055
3/8	9.5	3.5	5.2	20,000	9,091	18,000	8,182
7/16	11.1	4.1	6.1	26,500	12,045	23,850	10,841
1/2	12.7	5.8	8.7	37,400	17,000	33,660	15,300
9/16	14.3	7.5	11.2	45,000	20,455	40,500	18,409
5/8	15.9	9.8	14.6	57,000	25,909	51,300	23,318
3/4	19.1	14.1	21.0	76,000	34,545	68,400	31,091
7/8	22.2	17.9	26.7	96,700	43,955	87,030	39,559
1	25.4	22.4	33.4	122,000	55,455	109,800	49,909
1-1/8	28.6	28.7	42.8	151,000	68,636	135,900	61,773
1-1/4	31.8	34.0	50.7	176,000	80,000	158,400	72,000
1-5/16	33.4	37.6	56.1	191,500	87,045	172,350	78,341
1-1/2	38.1	50.2	74.8	240,000	109,091	216,000	98,182

All break strength data is based on spliced terminations and tested in accordance with CI-1500B

**TuffX-12
Load vs Elongation**



Elongation starts from the 'Initial Tension' of the rope (200xD2) according to CI-1500

