

# TuFFX-12™

## 12-Strand Rope, made with HMPE Fibre

TuFFX-12™ is an extremely high strength steel cable replacement made with HMPE fibre. It has very low stretch and it is both light weight and buoyant.

DIAM. IN	DIAM. MM	CIRC. IN	CIRC. MM	WT LB/100FT	WT KG/100M	MIN. TENSILE LBS	MIN. TENSILE KG	AVG. TENSILE LBS	AVG. TENSILE KG
Ø"	Ø MM	Ø"	Ø MM						
1/8"	3.2mm	3/8"	9.5mm	0.5lbs	0.75kg	2,180lbs	990kg	2,420lbs	1,100kg
3/16"	4.8mm	9/16"	14.3mm	1.0lbs	1.5kg	4,700lbs	2,130kg	5,230lbs	2,370kg
1/4"	6.4mm	3/4"	19.1mm	1.5lbs	2.5kg	7,430lbs	3,370kg	8,260lbs	3,750kg
5/16"	7.9mm	1"	25.4mm	2lbs	4kg	11,370lbs	5,160kg	12,630lbs	5,730kg
3/8"	9.5mm	1-1/8"	28.6mm	3.5lbs	5kg	16,650lbs	7,550kg	18,500lbs	8,400kg
7/16"	11.1mm	1-1/4"	31.8mm	4lbs	6kg	20,070lbs	9,100kg	22,300lbs	10,120kg
1/2"	12.7mm	1-1/2"	38.1mm	6lbs	9.5kg	29,430lbs	13,350kg	32,700lbs	14,830kg
9/16"	14.3mm	1-3/4"	44.5mm	8lbs	12kg	35,240lbs	16,000kg	39,150lbs	17,750kg
5/8"	15.9mm	2"	50.8mm	10lbs	15kg	47,250lbs	21,430kg	52,500lbs	23,815kg
3/4"	19.1mm	2-1/4"	57.2mm	13lbs	20kg	56,400lbs	25,600kg	62,700lbs	28,450kg
7/8"	22.2mm	2-3/4"	69.9mm	20lbs	29kg	81,250lbs	36,850kg	90,250lbs	40,950kg
1"	25.4mm	3"	76.2mm	22lbs	32kg	95,750lbs	43,430kg	106,400lbs	48,250kg
1-1/8"	28.6mm	3-1/2"	88.9mm	32lbs	48kg	128,250lbs	58,170kg	142,500lbs	64,650kg
1-1/4"	31.8mm	3-3/4"	95.3mm	36lbs	54kg	145,350lbs	65,930kg	161,500lbs	73,250kg
1-5/16"	33.4mm	4"	101.6mm	42lbs	62kg	156,500lbs	71,000kg	173,900lbs	78,900kg
1-3/8"	34.9mm	4-3/8"	111.1mm	45lbs	67kg	176,150lbs	79,900kg	195,700lbs	88,770kg
1-1/2"	38.1mm	4-1/2"	114.3mm	52lbs	77kg	196,650lbs	89,200kg	218,500lbs	99,100kg
1-9/16"	39.7mm	4-3/4"	120.7mm	58lbs	86kg	218,000lbs	98,900kg	242,250lbs	109,900kg
1-5/8"	41.3mm	5"	127.0mm	65lbs	97kg	243,300lbs	110,400kg	270,300lbs	122,600kg
1-3/4"	44.5mm	5-1/2"	139.7mm	78lbs	117kg	290,700lbs	131,900kg	323,000lbs	146,500kg
2"	50.8mm	6"	152.4mm	87lbs	129kg	328,800lbs	149,100kg	365,300lbs	165,700kg
2-1/4"	57.2mm	7"	177.8mm	115lbs	171kg	461,700lbs	209,400kg	513,000lbs	232,700kg
2-1/2"	63.5mm	7-1/2"	190.5mm	135lbs	200kg	504,450lbs	228,800kg	560,500lbs	254,250kg
2-3/4"	69.9mm	8-1/2"	215.9mm	180lbs	268kg	627,600lbs	284,700kg	697,300lbs	316,300kg
3"	76.2mm	9"	228.6mm	195lbs	290kg	726,750lbs	329,650kg	807,500lbs	366,300kg
3-1/4"	82.3mm	10"	254.0mm	235lbs	349kg	863,550lbs	391,700kg	959,500lbs	435,200kg
3-1/2"	88.9mm	10-1/2"	266.7mm	290lbs	431kg	1,004,400lbs	455,600kg	1,116,000lbs	506,200kg
3-5/8"	92.1mm	11"	279.4mm	335lbs	498kg	1,253,400lbs	568,550kg	1,392,700lbs	631,700kg
3-3/4"	95.3mm	11-1/4"	285.8mm	360lbs	535kg	1,393,600lbs	632,100kg	1,548,500lbs	702,400kg
4"	101.6mm	12"	304.8mm	394lbs	586kg	1,560,400lbs	707,800kg	1,733,800lbs	786,450kg

\*coated weights – Technical specifications subject to change without notice.

Other sizes available upon request, certain sizes may require minimum order quantities.

[For information on rope safety, read our Brief Note on Rope Usage & Safety.](#)

## TuFFX-12™

### Applications

- Mooring lines
- Winch lines
- Tow lines
- Steel cable replacement
- Rigging lines
- Utility lines

### Features & Benefits

- Extremely high strength
- Elongation at break 3.5%
- Light weight (1/7 weight of steel)
- Abrasion resistant
- Low stretch
- Floats on water
- Easy to splice
- Flexible
- Low creep (HMPE fibre)

### Fibre Specifications

Specific gravity: 0.97

Melting point: 144 - 155°C | 290 - 310°F

Abrasion resistance: Excellent\*

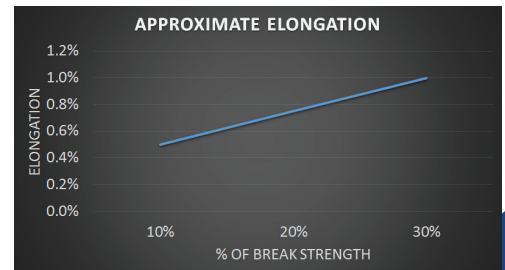
Not Affected by water

Creep resistance: Good

UV resistance: Very Good\*

Good resistance to acids and alkalis

\*Improved with ABL coating



# ATLANTIC BRAIDS

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