

**TECH 12™** Twelve - Strand  
Product Code: 847 (Samthane™ coated) ▲▼



12-Strand  
Technora® Fiber

Tech 12™ is a twelve-strand single braid of Technora® fiber with Samthane™ urethane coating. The product has higher strength and lower stretch than products constructed of other types of high modulus aramid fibers. The Samthane™ coating creates enhanced wear resistance but allows very fast splicing capability. Tech 12™ has extremely good heat resistance and flex fatigue service life. Its extremely high strength and low stretch offer the opportunity of replacing wire rope in static applications.

Fiber Content: ..... Technora® Fiber  
Specific Gravity: ..... 1.39

Elastic Elongation  
at Percentage of Break Strength:

10%	20%	30%
0.63	0.96	1.2

Water Absorption Fiber: ..... None

**CHARACTERISTICS**

- Negligible creep/cold flow
- High strength and low stretch
- Excellent wear and flexibility
- High heat resistance
- Excellent dielectric properties

**APPLICATIONS**

- Specialty Rigging Lines
- Fiber Optic Pulling Lines
- Deep Water Lift Lines
- High Strength Heat Resistant Slings

TECH 12									
SIZE				WEIGHT		AVERAGE STRENGTH		MINIMUM STRENGTH	
Dia. Inch	Dia. mm	Circ. Inch	Circ. mm	Lbs per 100 Ft.	Kg per 100 M	Lbs	Kg	Lbs	Kg
1/8"	3	3/8"	9	.6	.9	2,800	1,270	2,520	1,143
3/16"	5	9/16"	15	1.3	1.9	5,600	2,540	5,040	2,286
1/4"	6	3/4"	18	1.9	2.8	8,150	3,697	7,335	3,327
5/16"	8	1"	24	3.2	4.8	13,000	5,897	11,700	5,307
3/8"	9	1-1/8"	27	4.3	6.4	18,000	8,165	16,200	7,348
7/16"	11	1-1/4"	33	6.7	10.0	28,000	12,701	25,200	11,431
1/2"	12	1-1/2"	36	8.3	12.4	33,000	14,969	29,700	13,472
5/8"	16	2"	48	13.5	20.1	50,000	22,680	45,000	20,412
3/4"	18	2-1/4"	54	19.3	28.7	65,000	29,484	58,500	26,536
7/8"	22	2-3/4"	66	25.3	37.7	84,000	38,102	75,600	34,292
1"	24	3"	72	31.1	46.3	102,000	46,267	91,800	41,640