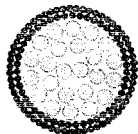


SPECTRON II™

Double Braid
Product Code: 394 (Uncoated); 816 (Samthane™ coated) ▼



Double Braid
Polyester Outside
with HMWPE Inside

A double braided rope that derives its high strength from a braided high molecular weight polyethylene (HMWPE) fiber core. The braided polyester cover creates a firm rope and serves as abrasion protection to the strength core. This rope has extremely low elongation and is a lightweight replacement for wire rope. For added wear life and color identification, Spectron II is available with our Samthane™ coating. Whether coated or uncoated, Spectron II is fully sliceable.

CHARACTERISTICS

- Excellent dielectric properties
- High strength to weight ratio
- Superior flex fatigue life
- Non-rotational, low stretch rope

APPLICATIONS

- Utility Winch Lines
- T & D Pulling Lines
- Deep Water Lift Lines
- Fiber Optic Lines
- Alternative to Wire Rope

Fiber Content: Polyester and HMWPE Fiber

Specific Gravity: 1.20

Elastic Elongation at Percentage of Break Strength:

10%	20%	30%
0.5	0.67	0.96

Water Absorption

Fiber: 1%

SPECTRON II									
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
1/4"	6	3/4"	18	2.2	3.3	4,500	2,041	3,800	1,724
5/16"	8	1"	24	3.5	5.2	7,500	3,402	6,400	2,903
3/8"	9	1-1/8"	27	4.1	6.1	9,800	4,445	8,300	3,765
7/16"	11	1-1/4"	33	6.1	9.1	11,700	5,307	9,900	4,491
1/2"	12	1-1/2"	36	8.3	12.4	15,500	7,031	13,200	5,988
9/16"	14	1-3/4"	42	10.0	14.9	22,000	9,979	18,700	8,482
5/8"	16	2"	48	12.6	18.8	27,000	12,247	23,000	10,433
3/4"	18	2-1/4"	54	16.0	23.8	35,000	15,876	29,800	13,517
13/16"	20	2-1/2"	60	20.3	30.2	40,000	18,144	34,000	15,422
7/8"	22	2-3/4"	66	24.8	36.9	50,000	22,680	42,500	19,278
1"	24	3"	72	30.6	45.5	57,000	25,855	48,500	22,000
1-1/16"	26	3-1/4"	78	31.7	47.2	59,300	26,898	50,400	22,861
1-1/8"	28	3-1/2"	84	37.0	55.1	72,900	33,067	62,000	28,123
1-1/4"	30	3-3/4"	90	42.6	63.4	81,000	36,742	68,900	31,253

ULTRA-TECH™

Double Braid
Product Code: 672

Ultra-Tech™ is a double braid rope construction that has its strength and stretch features developed from the braided Technora® core. The braided polyester cover creates a firm flexible working rope and protects the core from external wear. The core dependent spliced rope develops a very high strength,

low stretch, long wearing non-rotational rope. Technora® fiber has excellent flex-fatigue life compared to other high modulus aramid fibers while having higher strength and the same high heat resistance.



Double Braid
Polyester Outside
with Technora® Inside

CHARACTERISTICS

- High strength and low stretch
- Flexible non-rotational rope
- Excellent dielectric properties
- Negligible creep/cold flow

APPLICATIONS

- T & D Pulling Lines
- Lift Lines
- Specialty Rigging Lines

Fiber Content: Polyester and Technora® Fiber

Specific Gravity: 1.38

Elastic Elongation at Percentage of Break Strength:

10%	20%	30%
0.63	0.97	1.24

Water Absorption Fiber: 1%

ULTRA TECH									
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
3/16"	5	9/16"	15	1.4	2.1	2,300	1,043	1,955	887
1/4"	6	3/4"	18	2.5	3.7	4,800	2,177	4,080	1,851
5/16"	8	1"	24	3.8	5.7	7,800	3,538	6,630	3,007
3/8"	9	1-1/8"	27	4.8	7.1	10,500	4,763	8,925	4,048
7/16"	11	1-1/4"	33	6.7	10.0	14,800	6,713	12,580	5,706
1/2"	12	1-1/2"	36	9.5	14.1	22,000	9,979	18,700	8,482
5/8"	16	2"	48	14.4	21.4	42,000	19,051	35,700	16,194

DOUBLE BRAID