

Dielectric Ropes, Synthetic Ropes and Rope Systems

TECHNICAL DATA SHEETS



Dielectric Ropes



UHMWPE Fiber Ropes



Technora® Fiber Ropes



Polyester Ropes



Nylon Ropes



Polypropylene Ropes

Canada and USA: **1.800.305.2673**
Local and International: **+1.514.328.3888**

www.barry.ca



Barry Cordage Ltd.

Website: www.barry.ca

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Vision

Quality, safety and sustainability are essential to us; we take people's lives to heart. After more than 40 years of design and manufacturing, our passion continues to be the difference. The team at Barry strongly believes in advancing the safety and quality of our products through continuous R&D and testing.

Products and services bearing the Barry Quality & Safety Seal reflect our commitment, unique expertise and innovative solutions in rope and net systems. By keeping safety and quality at the forefront of our business model, Barry has remained an industry-leading producer of high-quality products designed to excel in the harshest environments.



Mission

Barry designs, manufactures and transforms high quality textile-based products and services aimed at protecting people and assets.

Barry listens to the industry's requirements and finds the most appropriate and cost effective solution. We are your solution finder!

About Barry

Established in 1978, Barry Cordage Ltd. designs, manufactures and distributes an extensive range of textile-based products and systems across the globe, while affiliate company Barry USA Inc. serves the U.S. market.

At any given time on the seven continents, hundreds of lives are being protected, preserved and saved by Barry products, systems and services.

Our products are aimed at protecting people and assets, and we are recognized worldwide for our high-quality products, excellent service and knowledgeable customer support.

The Barry team is driven by passion for innovation, safety and quality. Our highly-skilled team receives ongoing technical training, and our state-of-the-art production processes, materials and techniques ensure that only products of the highest quality leave our facilities.

Barry Markets

Companies and government agencies around the world choose Barry products and services for our expertise, quality of workmanship and service. **Our diverse products and systems are used in over 70 countries around the world, in a wide range of industries.**

We specialize in developing custom solutions to complex problems in the following markets:

- | | |
|----------------------------|------------------------------|
| ■ Aeronautical & Aerospace | ■ Worksite Safety |
| ■ Defence & Military | ■ Infrastructure & Transport |
| ■ Utilities & Energy | ■ Construction |
| ■ Mining | ■ Product Testing / R&D |
| ■ Oil & Gas | ■ Commercial Diving |
| ■ Industrial Manufacturing | ■ Sport Safety |
| ■ Fall Protection | ■ Entertainment & Theatrical |
| ■ Geophysical Exploration | ■ Pharmaceutical |
| ■ Marine and Off-Shore | ■ Design and Architecture |
| ■ Safety & Rescue Response | ■ Public Safety |



12-Strand Dyneema® Fiber Rope (UHMWPE)

The 12-strand Dyneema® fiber rope (UHMWPE) yields the maximum in strength-to-weight ratio and is stronger than wire rope constructions. It floats, offers superior flexibility and resists well to intensive use.

Features

- Stronger than a steel cable of the same diameter at only 1/7th the weight
- Extremely light
- Highly abrasion resistant
- Easily spliced
- Torque-free
- Flexible and easy to handle
- Similar elastic elongation to wire rope
- Easily inspected or field spliced
- Floats
- Fatigue and wear resistant

Applications

- Helicopter longlines
- Diving lifelines
- Winch lines
- Pulling lines
- Complex rigging lines
- Wire replacement ropes



SPECIFICATIONS

- Standard color: Orange (other colors available upon request)

Code	Diameter		kg per 100m	lbs per 100'	Average strength	
	(mm)	(in)			(kg)	(lbs)
DYNEEMA04 COA	3.2	1/8	0.45	0.3	1 315	2 900
DYNEEMA06 COA	4.8	3/16	1.5	1.0	2 495	5 500
DYNEEMA08 COA	6.4	1/4	2.4	1.6	3 946	8 700
DYNEEMA10 COA	7.9	5/16	3.9	2.6	6 033	13 300
DYNEEMA12 COA	9.5	3/8	5.2	3.5	8 845	19 500
DYNEEMA14 COA	11.1	7/16	6.2	4.2	10 659	23 500
DYNEEMA16 COA	12.7	1/2	9.5	6.4	15 422	34 000
DYNEEMA20 COA	15.9	5/8	15.2	10.2	23 814	52 500
DYNEEMA24 COA	19.1	3/4	19.9	13.4	29 937	66 000
DYNEEMA28 COA	22.2	7/8	29.0	19.5	43 091	95 000
DYNEEMA32 COA	25.4	1	32.3	21.7	50 802	112 000
DYNEEMA36 COA	28.6	1-1/8	47.5	31.9	68 039	150 000
DYNEEMA40 COA	31.8	1-1/4	54.0	36.3	77 101	170 000
DYNEEMA44 COA	34.9	1-3/8	67.0	45.0	93 440	206 000
DYNEEMA48 COA	38.1	1-1/2	76.9	51.7	104 326	230 000

Elastic elongation per % of breaking strength

10%	20%	30%
0.46% elongation	0.70% elongation	0.96% elongation

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UHMWPE and Polyester Fiber Rope

S200 is a double braided rope constructed with a polyester cover and a UHMWPE fiber core.

Features

- Specific gravity of 1.20
- Very low elongation
- High strength to weight ratio
- Can be spliced
- Torque free
- Easy to handle

Applications

- Pulling lines
- Winch lines
- General working lines
- Heavy lift slings



SPECIFICATIONS

- Standard color: White
(Other colours available upon request)

Code	Diameter		kg per 100m	lb per 100'	Average Strength	
	(mm)	(in)			(kg)	(lb)
S2000602	5	3/16	1.4	0.9	891	1 965
S2000802	6	1/4	3.0	2.0	1 529	3 370
S2001002	8	5/16	4.3	2.9	1 826	4 026
S2001202	10	3/8	6.0	4.0	3 900	8 600
S2001402	11	7/16	8.2	5.5	4 800	10 600
S2001602	12	1/2	10.6	7.1	5 400	11 900
S2001802	14	9/16	14.9	10.0	9 980	22 000
S2002002	16	5/8	18.6	12.5	12 246	27 000
S2002402	18	3/4	23.8	16.0	15 880	35 000

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Technora® Fiber 12-Strand Rope

The 12-Strand Technora® High Modulus Polyamide (HMPA) fiber rope offers excellent heat resistance and high strength.

Features

- Excellent heat resistance
- Excellent resistance to flex-fatigue
- Extremely strong
- Easily spliceable
- UV resistant urethane coating
- Strength comparable to wire rope
- High strength / low stretch
- Flexible non rotational construction
- Negligible creep/cold flow

Applications

- Technical rigging
- Heliport anti-skid nets
- Wire replacement ropes



SPECIFICATIONS

- Standard colors: Natural tan, black, red

Code	Diameter		kg per 100m	lbs per 100'	Average Strength	
	(mm)	(in)			(kg)	(lbs)
TECH04 COA	3.2	1/8	1.0	0.7	1 542	3 400
TECH06 COA	4.8	3/16	1.9	1.3	2 630	5 800
TECH08 COA	6.4	1/4	2.8	1.9	3 810	8 400
TECH10 COA	7.9	5/16	4.8	3.2	6 032	13 300
TECH12 COA	9.5	3/8	6.4	4.3	8 210	18 100

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Technora® and Polyester Fiber Rope

This rope consists of a braided Technora® High Modulus Polyamide (HMPA) fiber core as the strength member with a braided polyester cover. The cover serves to create a firm flexible rope and protects the core from external wear.

Features

- High heat resistance
- High strength
- Negligible creep
- Can be spliced
- Works well around sheaves and winches

Applications

- Technical rigging
- Wire replacement ropes
- Winch lines



SPECIFICATIONS

- Standard colors: Black, burgundy with color tracers

Diameter (mm) (in)		kg per 100 m	lbs per 100'	Average Strength (kg) (lbs)	
4.8	3/16	1.5	1.0	1 000	2 300
6.4	1/4	3.1	2.1	2 200	4 800
7.9	5/16	6.0	4.0	3 500	7 800
9.5	3/8	6.8	4.6	4 500	10 000
11.1	7/16	9.5	6.4	6 700	14 800
12.7	1/2	14.6	9.8	9 100	20 000
15.9	5/8	21.6	14.5	19 100	42 000
19.1	3/4	29.3	19.7	23 100	51 000
22.2	7/8	40.9	27.5	30 800	68 000

Elastic elongation at % of break strength

10%	20%	30%
0.63% elongation	0.97% elongation	1.24% elongation

Technora® is a registered trademark of Teijin LTD.

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Our co-polymer 12-strand braided rope offers dry and wet dielectric properties and is easily spliced thanks to its hollow-braid construction.

Manufactured of co-polymer fiber, this rope resists to rot and mildew, as well as to acids and alkalis.

Features

- Does not absorb water (floats)
- Good abrasion resistance
- Easy to splice
- Low elongation
- Dielectric

Advantages

- Economical
- Light
- Easy to repair
- Easy to inspect

Applications

- Electric utilities
- Pulling lines
- Messenger lines
- Aquaculture

Dielectric properties

- Passed the ASTM F1701-12 standard for dry and wet conditions



SPECIFICATIONS

- Standard colors: Green, orange
- Spool length: 183 m (600') or 366 m (1200')
- Other diameters available upon request

Code	Diameter (mm) (in)		kg per 100m	lbs per 100'	Average Strength (kg) (lbs)	
CPBR12120	10	3/8	4.0	2.7	1 589	3 500
CPBR16060	12	1/2	7.3	4.9	2 724	6 000
CPBR20060	16	5/8	13.0	8.7	4 495	9 900
CPBR24060	19	3/4	16.2	10.9	5 448	12 000

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Our co-polymer twisted rope provides higher breaking strength and better abrasion resistance than mono-filament polypropylene or manila rope.

Manufactured of co-polymer fibers (polypropylene and polyethylene), this rope resists to rot and mildew, as well as to acids and alkalis.

Features

- Does not absorb water (floats)
- Excellent abrasion resistance
- Easy to splice

Applications

- Rope cargo nets
- Climbing nets
- Mooring lines
- Messenger lines
- Aquaculture



SPECIFICATIONS

- Standard color: Light green with yellow tracer
- Spool length: 366 m (1200')
- Larger diameters available upon request

Code	Diameter		kg per 100m	lbs per 100'	Breaking Strength	
	(mm)	(in)			(kg)	(lbs)
CPTR081	6	1/4	1.98	1.33	680	1 500
CPTR101	8	5/16	3.35	2.25	1 202	2 650
CPTR121	10	3/8	4.96	3.33	1 800	3 968
CPTR141	11	7/16	5.95	4.00	1 989	4 385
CPTR161	12	1/2	7.31	4.92	2 700	5 952
CPTR201	16	5/8	12.27	8.25	4 627	10 200
CPTR241	19	3/4	14.87	10.00	5 800	12 787
CPTR281	22	7/8	22.56	15.17	8 300	18 300
CPTR321	24	1	28.38	19.08	9 898	21 820

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12-Strand Polyester Fiber Rope

This 100% polyester rope has a hollow braided 12-strand construction. It is designed with a single or two-ply construction depending upon nominal size. Available with a urethane coating that offers color coding options and additional abrasion resistance.

Features

- Non-rotating
- Torque free
- Very flexible and easy to handle
- Easily spliced and inspected
- Urethane coating available for abrasion resistance and color coding

Applications

- Floating dock moorings
- Pulling lines
- Lifting slings
- Tow lines
- Dock lines



SPECIFICATIONS

- Standard color: White, red, black
(Other colors available on request)

Code	Diameter		kg per 100m	lbs per 100 ft	Average Strength	
	(mm)	(in)			(kg)	(lbs)
POLY12 - 1/4	6.4	1/4	3.1	2.1	1 225	2 700
POLY12 - 5/16	7.9	5/16	4.8	3.2	1 769	3 900
POLY12 - 3/8	9.5	3/8	6.1	4.1	2 902	6 400
POLY12 - 7/16	11.1	7/16	9.4	6.3	3 628	8 000
POLY12 - 1/2	12.7	1/2	12.7	8.5	5 533	12 200
POLY12 - 5/8	15.9	5/8	19.5	13.1	9 616	21 200
POLY12 - 3/4	19.1	3/4	25.6	17.2	11 521	25 400
POLY12 - 7/8	22.2	7/8	38.4	25.8	17 055	37 600
POLY12 - 1	25.4	1	51.4	34.5	22 679	50 000
POLY12 - 1 1/8	28.6	1-1/8	61.4	41.2	29 982	66 100
POLY12 - 1 1/4	31.8	1-1/4	68.5	46.0	33 293	73 400
POLY12 - 1 1/2	38.1	1-1/2	106.2	71.3	39 825	87 800

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Stable Braid - Polyester Double Braid Rope

A firm polyester double braided rope with high strength, low stretch and excellent resistance to wear.

Features

- Torque-free construction
- Durable
- Excellent abrasion resistance
- High resistance to UV degradation
- Spliceable
- High wear and heat resistance
- Excellent flex-fatigue service life
- Firm flexibility
- Low working elongation

Applications

- Winch Lines
- Secondary mooring lines
- Heavy lift slings
- Material hauling lines
- Pulling and stringing lines



SPECIFICATIONS

- Standard color: White
- Other colors and diameters available upon request

Code	Diameter (mm) (in)		kg per 100m	lbs per 100ft	Average strength (kg) (lbs)	
STAB080602	6.4	1/4	3.1	2.1	1 000	2 300
STAB120602	9.5	3/8	6.7	4.5	2 500	5 600
STAB160602	12.7	1/2	12.2	8.2	4 700	10 400
STAB200602	15.9	5/8	20.8	14.0	7 400	16 300
STAB240602	19.1	3/4	26.8	18.0	9 300	20 400
STAB280602	22.2	7/8	40.3	27.1	13 600	29 900
STAB320602	25.4	1	50.6	34.0	17 800	39 200

Elastic elongation at % break strength

10%	20%	30%
1.10% elongation	1.70% elongation	2.70% elongation

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Polyester Double Braid Rope

This general use double braided polyester rope offers the best compromise of low elongation, high strength, and abrasion resistance.

Features

- Low elongation
- High strength
- Excellent resistance to UV and abrasion

Applications

- Moorings
- General marine
- Winch lines
- Pulling lines



SPECIFICATIONS

- Standard colors: Black, white
- Other colors and diameters available upon request

Code	Diameter (mm) (in)		kg per 100m	lbs per 100ft	Average Strength (kg) (lbs)	
DBP06	4.8	3/16	1.49	1.0	725	1 600
DBP08	6.4	1/4	3.0	2.0	1 088	2 400
DBP10	7.9	5/16	4.6	3.1	1 542	3 400
DBP12	9.5	3/8	6.7	4.5	2 177	4 800
DBP14	11.1	7/16	9.1	6.1	2 993	6 600
DBP16	12.7	1/2	11.9	8.0	4 082	9 000
DBP20	15.9	5/8	18.6	12.5	6 939	15 300
DBP24	19.1	3/4	26.7	17.9	8 618	19 000
DBP32	25.4	1	47.5	31.9	15 422	34 000

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Stage Cord – Spun Polyester Rope

Small diameter cord made of spun polyester, an alternative to the more expensive cotton sash cord. Holds knots very well and resists to humidity.

Features

- Low stretch
- Easy knotting
- Not spliceable

Applications

- Utility cord
- Lashing



SPECIFICATIONS

- Standard colors: Black, White
- Spool length: 305 m (1000')

Code	Diameter		Color	Average strength	
	(mm)	(in)		(kg)	(lbs)
SBSP041002	3.2	1/8	White	90	200
SBSP041004	3.2	1/8	Black	90	200
SBSP061002	4.8	3/16	White	181	400
SBSP061004	4.8	3/16	Black	181	400
SBSP081002	6.4	1/4	White	340	750
SBSP081004	6.4	1/4	Black	340	750

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SafeLine™ NFPA Rope

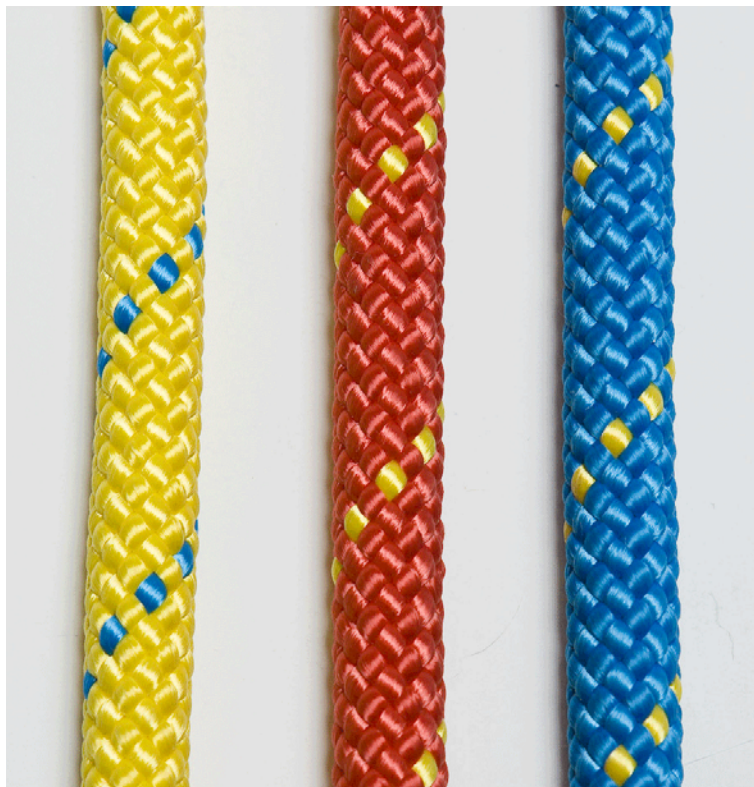
SafeLine™ rope is UL Classified to meet NFPA 1983/2012 edition requirements. Durable 16 carrier construction has a 50/50 ratio of core to sheath for long wear. Solution dyed polyester sheath braided over twisted nylon core strands.

Features

- Designed to elongate in the event of accidental shock loading and handling
- Easy knotting
- Good strength to weight ratio
- Excellent abrasion resistance
- Not spliceable
- 1/2" and 5/8" are certified to NFPA 1983/2012, General use
- 3/8" and 7/16" are certified to NFPA 1983/2012, Technical use

Applications

- Fire rescue
- High angle rescue
- Technical rigging



SPECIFICATIONS

- Standard colors: Blue, Red, Yellow, Orange, Green
(Other colors available upon request)

Diameter (mm) (in)		kg per 100m	lbs per 100'	Minimum Strength (kg) (lbs)	
9.5	3/8	6.60	4.87	2 985	6 582
11	7/16	8.00	5.86	3 475	7 663
12.7	1/2	11.2	8.21	4 610	10 164
15.8	5/8	16.4	12.02	5 935	13 085

% Elongation per Diameter			
Diameter	300 lbf	600 lbf	1 000 lbf
3/8"	3.3 %	6.1 %	8.4 %
7/16"	2.9 %	5.9 %	8.4 %
1/2"	3.0 %	5.0 %	7.9 %
5/8"	1.4 %	3.1 %	5.2 %

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SafeLine™ is a trademark of BlueWater Ropes

Flexible kernmantle construction with braided polyester cover and nylon core. Static rope is designed to meet or exceed NFPA 1983 standard for rescue ropes.

Features

- Meets or exceeds NFPA 1983 standards
- Good shock mitigation
- Maintains firm round shape
- Not spliceable

Applications

- Theatrical rigging
- High angle rescue



SPECIFICATIONS

- Standard color: Black
- Spool length: 183 m (600')
- Other diameters and colors available upon request

CODE	Diameter		kg per	lbs per	Avg. Strength	
	(mm)	(in)	100m	100'	(kg)	(lbs)
SAM1406XXSTATIC	11.0	7/16	8.9	6.0	3 700	8 200

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Our double braided nylon rope is constructed from the highest quality yarns to resist mildew, rot, and most chemicals.

Features

- Specific gravity of 1.14
- High energy absorption
- Controlled elongation
- High strength
- Abrasion resistance
- Mildew resistance
- Easy to splice

Applications

- Dock lines
- Tow cables
- General marine



SPECIFICATIONS

- Standard color: White
(Other colors available on request)

Code	Diameter		kg per 100m	lbs per 100'	Average Strength	
	(mm)	(in)			(kg)	(lbs)
DBN080602	6.4	1/4	2.5	1.7	943	2 080
DBN100602	7.9	5/16	3.9	2.6	1 480	3 263
DBN120602	9.5	3/8	5.5	3.7	2 098	4 625
DBN160602	12.7	1/2	9.5	6.4	3 632	8 000
DBN200602	15.9	5/8	17.9	12.0	5 987	13 200
DBN240602	19.1	3/4	23.8	16.0	8 626	19 000
DBN3202V	25.4	1	38.7	26.0	14 061	31 000
DBN4002	31.8	1-1/4	61.1	41.0	23 133	51 000
DBN4802	38.1	1-1/2	89.1	59.8	32 659	72 000
DBN6402V	50.8	2	157.9	106.0	58 028	127 930

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Manufactured by braiding a 16-strand nylon cover over a parallel nylon fiber core. The parallel fibers impart increased strength and durability to this non-spliceable low stretch cord.

Features

- Lower stretch due to parallel core
- Easy knotting
- Good strength to weight ratio
- Excellent abrasion resistance
- Not spliceable

Applications

- Utility cord
- Tent / tarpaulin cord
- Flag pole lines
- Lashing



SPECIFICATIONS

- Standard colors: White, black
- Spool length: 305 m (1000')

Code	Diameter		kg per 100 m	lbs per 100 ft	Average Strength	
	(mm)	(in)			(kg)	(lbs)
SBN02	1.6	1/16	0.21	0.14	122	270
SBN03	2.4	3/32	0.40	0.27	172	380
SBN04	3.2	1/8	0.78	0.52	272	600
SBN05	4	5/32	1.18	0.79	332	733
SBN06	4.8	3/16	1.51	1.01	489	1 080
SBN08	6.4	1/4	2.30	1.54	662	1 460

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Nylon and Polyester Double Braid Rope

This double braided rope is constructed with a 100% polyester cover and a 100% nylon core. It is available with urethane coating for color coding and to maximize abrasion resistance and minimize water absorption.

Features

- High energy absorption
- Extremely high strength
- Urethane coated cover available
- Spliceable
- Exceeds the requirements of CSA Z98-07 standard

Applications

- Winch lines
- Rigging lines
- Pulling lines
- Lift lines
- Ski lift evacuation rope



SPECIFICATIONS

- Standard color: White, orange
- Other colors and diameters available upon request

Code	Diameter		kg per 100m	lbs per 100'	Average Strength	
	(mm)	(in)			(kg)	(lbs)
DBPN16	12.7	1/2	11.2	7.5	4 309	9 500
DBPN18	14.3	9/16	14.4	9.7	6 123	13 500
DBPN24	19.1	3/4	25.3	17.0	8 346	18 400

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This 3-strand nylon twisted rope provides high strength and flexibility.

Features

- Good abrasion resistance
- Oil resistance
- Rot and mildew resistant
- High energy absorption

Applications

- Nautical anchoring
- Decoration
- Rope nets



SPECIFICATIONS

- Standard color: White

Code	Diameter		Average Strength	
	(mm)	(in)	(kg)	(lbs)
NTR080602	6.4	1/4	818	1 805
NTR120602	9.5	3/8	1 721	3 795
NTR160602	12.7	1/2	3 406	7 510
NTR200602	15.9	5/8	5 084	11 210
NTR240602	19.1	3/4	6 509	14 350
NTR320602	25.4	1	14 544	32 065

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Multi-Filament Polypropylene Double Braid Rope

MFP double braid rope is the perfect water and ice rescue rope. It can be spliced to provide solid attachment points, it floats, is easy to maneuver and is lightweight.

Features

- Floating rope
- Does not absorb water
- Lightweight
- Oil resistant

Applications

- Water rescue
- Ice rescue
- Nautical throw-line
- Floating demarcation line



SPECIFICATIONS

- Standard colors: Yellow, red, blue
- 1/2" diameter comes with reflective fleck

Code	Diameter		kg per	lbs per	Average strength	
	(mm)	(in)	100 m	100'	(kg)	(lbs)
DBO06	4.8	3/16	1.56	1.05	336	740
DBO08	6.4	1/4	2.2	1.5	599	1 320
DBO12	9.5	3/8	4.9	3.3	1 497	3 300
DBO16	12.7	1/2	8.2	5.5	2 359	5 200

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Polypropylene Monofilament 3-Strand Rope

This lightweight and economical 3-strand twisted rope is intended for non-critical applications.

Features

- Floating rope
- Fair abrasion resistance
- Good resistance to mildew, rot and chemicals
- UV stabilized
- Easy to splice

Applications

- Cable pulling
- Boat anchoring
- General industrial use
- Car shelters



SPECIFICATIONS

- Standard colors: Yellow, white, black
- Spool length: 183 m (600') or 366 m (1200')
- Larger diameters available upon request

Code	Diameter		Average Strength	
	(mm)	(in)	(kg)	(lbs)
PTR06	4.8	3/16	318	700
PTR08	6.2	1/4	567	1 250
PTR10	7.9	5/16	776	1 710
PTR12	9.5	3/8	1 107	2 440
PTR16	12.7	1/2	1 715	3 780
PTR20	15.9	5/8	2 540	5 600
PTR24	19.1	3/4	3 470	7 650

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Spun Polypropylene 4-Strand Rope

This 4-strand twisted spun polypropylene rope imitates the color of natural hemp. This synthetic alternative to hemp has a higher breaking strength and lasts longer.

Features

- Natural look
- Mildew and rot resistant
- Soft touch
- Good UV resistance

Applications

- Climbing ropes
- Climbing nets
- Crowd control (with net)
- Outdoor decoration



SPECIFICATIONS

- Standard color: Light brown
- Other diameters available on request

Code	Diameter		Average Strength	
	(mm)	(in)	(kg)	(lbs)
PP2002	20	3/4	3 983	8 781
PP2402	24	1	5 579	12 300
PP3202	32	1-1/4	9 240	20 371

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HEMP

Hemp 3 and 4-Strand Rope

Our hemp rope is produced using high quality raw material. Hemp has a light brown color and a soft feeling to the touch.

Features

- Does not burn the skin
- Biodegradable

Applications

- Decoration
- Theatrical applications
- Climbing ropes
- Gym ropes
- Adventure parks



SPECIFICATIONS

- Standard color: Light brown
- Other diameters available upon request

Code	Diameter (mm) (in)		Break Strength (kg) (lbs)	
3-strand				
HEMP06720-3	6	1/4	285	628
HEMP08720-3	8	5/16	510	1 124
HEMP10720-3	10	3/8	795	1 752
HEMP12720-3	12	1/2	1 185	2 612
HEMP16720-3	16	5/8	1 995	4 398
4-strand				
HEMP32720-4	32	1-1/4	7 770	17 129
HEMP40720-4	40	1-9/16	10 180	22 442

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Cotton 3 and 4-Strand Rope

The cotton rope is soft to the touch and it has a natural (unbleached) white color. Our cotton rope is manufactured from high quality raw material.

Features

- High quality raw material
- Nonabrasive
- Biodegradable
- May be treated with fire retardant or dye

Applications

- Circus apparatus
- Acrobatic equipment
- Interior decoration
- Theatrical



SPECIFICATIONS

- Standard color: White
(Black available in limited diameters)
- Other diameters available upon request

Code	Diameter	
	(mm)	(in)
3-Strand		
CTF1206	10	3/8
4-Strand		
CT2002	20	3/4
CT2202	22	7/8
CT2402	24	1
CT3502	35	1-1/2

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Our manila rope is made of first grade quality raw material. Manila rope is strong, economical and biodegradable.

Features

- 3-strand twisted construction
- Strong yet economical
- Biodegradable
- Meets U. S. Federal Specification TR-605B

Applications

- Decoration
- Theatrical applications
- Climbing ropes
- Gym ropes
- Crowd control



SPECIFICATIONS

- Standard color: Natural brown

Code	Diameter		Minimum Break Strength	
	(mm)	(in)	(kg)	(lbs)
MHC081250	6	1/4	245	540
MHC1206	10	3/8	551	1 215
MHC1606	13	1/2	1 082	2 385
MHC2006	16	5/8	1 796	3 960
MHC2406	20	3/4	2 204	4 860
MHC3206	25	1	3 674	8 100
MHC4006	32	1-1/4	5 511	12 150
MHC4806	38	1-1/2	7 552	16 650
MHC6406	50	2	12 655	27 900

Cordages Barry Itée

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This soft-pull elastic rope with a high stretch ratio is available in 2 diameters offering different elongation factors.

Warning

These specifications apply to new rope when tested under laboratory conditions.

Safety factor: Breaking strength is not the working load limit (WLL) or safe working load (SWL). The user or system designer must determine the WLL by dividing the breaking strength by a safety factor. High-frequency usage, unknown rope history, less-than-ideal environmental and storage conditions, use of knots, poorly trained users and a high degree of risk on life or property are all factors that require a higher safety factor.

Wear: All ropes wear out with use and wear may not be detectable by visual signs only. Therefore it is recommended that the rope user determine retirement criteria for ropes in their application. Periodic as well as before and after-use inspections will also be required.

Compatibility: The user or system designer must validate compatibility of the rope with all other system components. All printed statements, data and recommendations are based on reliable information and tests, and are presented without any guarantee or warranty. Statements regarding the use of Barry products and processes are not to be construed as recommendations for use in violation of any applicable laws, regulation, or patent rights.



SPECIFICATIONS

- Standard colors: Black, natural
- Spool length: 100 m (330')
- Braided cotton cover
- Multi-strand rubber core

Part #	Diameter	Color
SC0802230QC	8 mm (5/16")	Natural
SC0804230QC	8 mm (5/16")	Black
SC1202245QC	10 mm (3/8")	Natural
SC1204245QC	10 mm (3/8")	Black

	8 mm Diameter			10 mm Diameter		
Cover	32-ply cotton 40/2			40-ply cotton 40/2		
Core	30 strands rubber			45 strands rubber		
Breaking Strength	22 daN (49 lbf)			30 daN (67 lbf)		
Weight	40.5 g/m $\pm 10\%$			59.2 g/m $\pm 10\%$		
Elongation	Load	Min.	Max.	Load	Min.	Max.
	2 kg	40%	60%	3 kg	25%	35%
	3 kg	80%	110%	8 kg	150%	180%
	6 kg	180%	220%	10 kg	190%	240%
	10 kg	260%	290%	20 kg	270%	300%

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SC0805 Shock Cord

Elastic shock cord in rubber latex with a braided polyester cover for general, industrial, commercial and sport use.

Features

- Good abrasion resistance
- High elongation



SPECIFICATIONS

- Standard roll: 153 m (500')
- Diameter: 6 mm (1/4")
(Other diameters available upon request)

#SC080502 : Color white with black tracers

#SC080504 : Color black

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