

Government and Military



Rope & Accessory Product Catalogue

About Cancord



Cancord is a family run business that has been manufacturing rope and cordage products since 1880. We pride ourselves on providing quality product at reasonable prices, with exceptional customer service. Our products are used around the world in a wide range of industries and applications.

We produce both stock and custom rope products. We are committed to working with our customers to ensure they receive the product best suited to their application. Often, this can be accomplished with one of the many items we keep in stock. In many cases however, we have worked closely with our customers to develop a custom product specifically suited to their purpose. Our broad range of manufacturing and testing equipment enables us to excel at this. We encourage you to contact us with any unique or special requirements. Custom packaging is also available where required.

Our goal is to exceed your expectations with unsurpassed quality, exceptional service, true value and custom innovation.

Government & Military Products

Cancord has a long history of manufacturing products to different government and military specifications. This catalogue details the products we keep in stock. However, we have the capability to manufacture many other products on a made to order basis. We have an extensive NSN database which often enables us to determine what product you are searching for with very little information. We encourage you to contact us with your requirements.

Contact Cancord

Toll Free Nationwide: 1-800-879-0079

Fax: 905-527-7790

Customer Service Email: sales@cancord.com

193 Elgin Street
Hamilton, ON L8L 4Y2
www.cancord.com

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CORDAGE



Military Cord

This cord is not only specified for use in the manufacture of tents, uniforms, and other military equipment, but is also widely used as a general purpose cord.

- Manufactured to D-80-001-028/SF-001 & DSPM 2-2-80-028
- Spun synthetic fiber has a nice soft feel
- Good knot tying characteristics
- Good UV resistance
- Unaffected by moisture

| Part # | Diameter | | Description | NSN | Package | MBS* (lb) | Weight/ Reel (lb) |
|------------|----------|----|----------------------------|------------------|-----------|--------------|----------------------|
| | inch | mm | | | | | |
| 17-111-62W | 7/64 | 3 | Type 1, white | 4020-21-882-9680 | 250m tube | 170 | 2.5 |
| 16-111-62G | 7/64 | 3 | Type 1, olive drab (OG107) | 4020-21-882-9701 | 250m tube | 170 | 2.5 |
| 16-551-62 | 7/64 | 3 | Type 1, Cdn average green | 4020-21-882-9701 | 250m tube | 170 | 2.5 |
| 16-111-62B | 7/64 | 3 | Type 1, black | 4020-21-882-9715 | 250m tube | 170 | 2.5 |
| 16-111-62S | 7/64 | 3 | Type 1, light sand | 4020-21-002-3433 | 250m tube | 170 | 2.5 |
| 17-222-62W | 3/16 | 5 | Type 2, white | 4020-21-106-1391 | 250m tube | 400 | 6 |
| 16-222-62G | 3/16 | 5 | Type 2, olive drab (OG107) | 4020-21-874-2586 | 250m tube | 400 | 6 |
| 16-552-62 | 3/16 | 5 | Type 2, Cdn average green | 4020-21-874-2586 | 250m tube | 400 | 6 |
| 16-222-62B | 3/16 | 5 | Type 2, black | | 250m tube | 400 | 6 |
| 16-222-62S | 3/16 | 5 | Type 2, light sand | | 250m tube | 400 | 6 |

CANCORD IS PROUD

to have worked with Stone Aerospace to develop and supply the safety tether used for the ARTEMIS 2015 - Robotic Exploration Beneath the McMurdo Ice Shelf. The Expedition Log from this project is an interesting read, and can be found at artemis2015.weebly.com.

* Breaking strength does not indicate the safe working load of a rope. Please refer to Important Precautions on page 19 for additional information.

CORDAGE

Tactical Cord

Although originally designed for use in the manufacture of military gear, this cord is also regularly used as a general purpose cord.

- Manufactured from UV stabilized nylon yarn
- Good knot tying and handling characteristics
- Good durability



| Part # | Diameter | | Description | NSN | Package | MBS* (lb) | Weight/ Reel (lb) |
|-----------|----------|-----|---------------------|------------------|-----------|--------------|----------------------|
| | inch | mm | | | | | |
| 27-030-88 | 7/64 | 2.8 | Black braided nylon | 4020-21-109-4655 | 200m tube | 300 | 2 |

Parachute Cord

This light weight nylon cord was originally designed for use as suspension lines on US parachutes during WWII. It is now widely used as a general purpose tying cord by both the military and general public. It is often used to fabricate braided lanyards, belts and other decorative items.

- Manufactured to MIL-C-5040
- Smooth braided nylon sheath
- Type 1A is coreless
- Type 2 has 4 core strands
- Type 3 has 7 core strands



| Part # | Diameter | | Description | NSN | Package | MBS* (lb) | Weight/ Reel (lb) |
|---------------|----------|-----|---------------------------|------------------|-------------|--------------|----------------------|
| | inch | mm | | | | | |
| 18-100-70 | 1/32 | 1 | Type 1A, natural (white) | 4020-00-292-9920 | 700 yd reel | 100 | 2 |
| 18-400-70 | 3/32 | 2.5 | Type 2, natural (white) | 4020-00-555-8639 | 700 yd reel | 400 | 8 |
| 18-550-70 | 1/8 | 3 | Type 3, natural (white) | 4020-00-240-2146 | 700 yd reel | 550 | 10 |
| 19-550-40-200 | 1/8 | 3 | Type 3, black | | 400 yd reel | 550 | 6 |
| 19-550-40-500 | 1/8 | 3 | Type 3, red | 4020-00-262-2147 | 400 yd reel | 550 | 6 |
| 19-550-40-900 | 1/8 | 3 | Type 3, olive drab (camo) | 4020-00-246-0688 | 400 yd reel | 550 | 6 |

* Breaking strength does not indicate the safe working load of a rope. Please refer to Important Precautions on page 19 for additional information.

CORDAGE



Paracord

This commercial grade nylon paracord is ideal as a general purpose cord, or for lanyards, paracord braiding and crafts.

- Nylon construction
- Wide assortment of colours
- 7 strand core
- Exceptional knotting characteristics

| Part # | Size | Diameter | | Package | Colour | Weight/ Package (lb) |
|---------------|------|----------|-----|-------------|---------------|-------------------------|
| | | inch | mm | | | |
| 27-104-05-200 | 4 | 1/8 | 3.5 | 50' hank | Black | 0.25 |
| 27-104-01-200 | 4 | 1/8 | 3.5 | 100' hank | Black | 0.5 |
| 27-104-64-200 | 4 | 1/8 | 3.5 | 1,000' reel | Black | 5 |
| 27-104-05-211 | 4 | 1/8 | 3.5 | 50' hank | Black/White | 0.25 |
| 27-104-01-211 | 4 | 1/8 | 3.5 | 100' hank | Black/White | 0.5 |
| 27-104-64-211 | 4 | 1/8 | 3.5 | 1,000' reel | Black/White | 5 |
| 27-104-25-G00 | 4 | 1/8 | 3.5 | 50' hank | Blue (Light) | 0.25 |
| 27-104-25-G00 | 4 | 1/8 | 3.5 | 100' hank | Blue (Light) | 0.5 |
| 27-104-25-G00 | 4 | 1/8 | 3.5 | 1,000' reel | Blue (Light) | 5 |
| 27-104-25-M00 | 4 | 1/8 | 3.5 | 50' hank | Blue (Navy) | 0.25 |
| 27-104-25-M00 | 4 | 1/8 | 3.5 | 100' hank | Blue (Navy) | 0.5 |
| 27-104-25-M00 | 4 | 1/8 | 3.5 | 1,000' reel | Blue (Navy) | 5 |
| 27-104-25-600 | 4 | 1/8 | 3.5 | 50' hank | Blue (Royal) | 0.25 |
| 27-104-25-600 | 4 | 1/8 | 3.5 | 100' hank | Blue (Royal) | 0.5 |
| 27-104-25-600 | 4 | 1/8 | 3.5 | 1,000' reel | Blue (Royal) | 5 |
| 27-104-05-C00 | 4 | 1/8 | 3.5 | 50' hank | Brown | 0.25 |
| 27-104-01-C00 | 4 | 1/8 | 3.5 | 100' hank | Brown | 0.5 |
| 27-104-64-C00 | 4 | 1/8 | 3.5 | 1,000' reel | Brown | 5 |
| 27-104-05-A00 | 4 | 1/8 | 3.5 | 50' hank | Burgundy | 0.25 |
| 27-104-01-A00 | 4 | 1/8 | 3.5 | 100' hank | Burgundy | 0.5 |
| 27-104-64-A00 | 4 | 1/8 | 3.5 | 1,000' reel | Burgundy | 5 |
| 27-104-25-T00 | 4 | 1/8 | 3.5 | 50' hank | Camo (Blue) | 0.25 |
| 27-104-25-T00 | 4 | 1/8 | 3.5 | 100' hank | Camo (Blue) | 0.5 |
| 27-104-25-T00 | 4 | 1/8 | 3.5 | 1,000' reel | Camo (Blue) | 5 |
| 27-104-25-L00 | 4 | 1/8 | 3.5 | 50' hank | Camo (Cadpat) | 0.25 |
| 27-104-25-L00 | 4 | 1/8 | 3.5 | 100' hank | Camo (Cadpat) | 0.5 |
| 27-104-25-L00 | 4 | 1/8 | 3.5 | 1,000' reel | Camo (Cadpat) | 5 |
| 27-104-25-N00 | 4 | 1/8 | 3.5 | 50' hank | Camo (Dark) | 0.25 |

* Breaking strength does not indicate the safe working load of a rope. Please refer to Important Precautions on page 19 for additional information.

CORDAGE

Paracord (Continued)

| Part # | Size | Diameter | | Package | Colour | Weight/ Package (lb) |
|---------------|------|----------|-----|-------------|-----------------|-------------------------|
| | | inch | mm | | | |
| 27-104-25-N00 | 4 | 1/8 | 3.5 | 100' hank | Camo (Dark) | 0.5 |
| 27-104-25-N00 | 4 | 1/8 | 3.5 | 1,000' reel | Camo (Dark) | 5 |
| 27-104-25-K00 | 4 | 1/8 | 3.5 | 50' hank | Camo (Sand) | 0.25 |
| 27-104-25-K00 | 4 | 1/8 | 3.5 | 100' hank | Camo (Sand) | 0.5 |
| 27-104-25-K00 | 4 | 1/8 | 3.5 | 1,000' reel | Camo (Sand) | 5 |
| 27-104-05-E00 | 4 | 1/8 | 3.5 | 50' hank | Gold | 0.25 |
| 27-104-01-E00 | 4 | 1/8 | 3.5 | 100' hank | Gold | 0.5 |
| 27-104-64-E00 | 4 | 1/8 | 3.5 | 1,000' reel | Gold | 5 |
| 27-104-05-B00 | 4 | 1/8 | 3.5 | 50' hank | Green (Hunter) | 0.25 |
| 27-104-01-B00 | 4 | 1/8 | 3.5 | 100' hank | Green (Hunter) | 0.5 |
| 27-104-64-B00 | 4 | 1/8 | 3.5 | 1,000' reel | Green (Hunter) | 5 |
| 27-104-05-400 | 4 | 1/8 | 3.5 | 50' hank | Green (Kelly) | 0.25 |
| 27-104-01-400 | 4 | 1/8 | 3.5 | 100' hank | Green (Kelly) | 0.5 |
| 27-104-64-400 | 4 | 1/8 | 3.5 | 1,000' reel | Green (Kelly) | 5 |
| 27-104-05-900 | 4 | 1/8 | 3.5 | 50' hank | Green (Olive) | 0.25 |
| 27-104-01-900 | 4 | 1/8 | 3.5 | 100' hank | Green (Olive) | 0.5 |
| 27-104-64-900 | 4 | 1/8 | 3.5 | 1,000' reel | Green (Olive) | 5 |
| 27-104-05-F00 | 4 | 1/8 | 3.5 | 50' hank | Green (Neon) | 0.25 |
| 27-104-01-F00 | 4 | 1/8 | 3.5 | 100' hank | Green (Neon) | 0.5 |
| 27-104-64-F00 | 4 | 1/8 | 3.5 | 1,000' reel | Green (Neon) | 5 |
| 27-104-05-D00 | 4 | 1/8 | 3.5 | 50' hank | Grey | 0.25 |
| 27-104-01-D00 | 4 | 1/8 | 3.5 | 100' hank | Grey | 0.5 |
| 27-104-64-D00 | 4 | 1/8 | 3.5 | 1,000' reel | Grey | 5 |
| 27-104-05-700 | 4 | 1/8 | 3.5 | 50' hank | Orange (Safety) | 0.25 |
| 27-104-01-700 | 4 | 1/8 | 3.5 | 100' hank | Orange (Safety) | 0.5 |
| 27-104-64-700 | 4 | 1/8 | 3.5 | 1,000' reel | Orange (Safety) | 5 |
| 27-104-05-R00 | 4 | 1/8 | 3.5 | 50' hank | Purple | 0.25 |
| 27-104-01-R00 | 4 | 1/8 | 3.5 | 100' hank | Purple | 0.5 |
| 27-104-64-R00 | 4 | 1/8 | 3.5 | 1,000' reel | Purple | 5 |
| 27-104-05-500 | 4 | 1/8 | 3.5 | 50' hank | Red | 0.25 |
| 27-104-01-500 | 4 | 1/8 | 3.5 | 100' hank | Red | 0.5 |
| 27-104-64-500 | 4 | 1/8 | 3.5 | 1,000' reel | Red | 5 |
| 27-104-05-511 | 4 | 1/8 | 3.5 | 50' hank | Red/White | 0.25 |
| 27-104-01-511 | 4 | 1/8 | 3.5 | 100' hank | Red/White | 0.5 |
| 27-104-64-511 | 4 | 1/8 | 3.5 | 1,000' reel | Red/White | 5 |
| 27-104-05-100 | 4 | 1/8 | 3.5 | 50' hank | White | 0.25 |

* Breaking strength does not indicate the safe working load of a rope. Please refer to Important Precautions on page 19 for additional information.

CORDAGE

Paracord (Continued)

| Part # | Size | Diameter | | Package | Colour | Weight/ Package (lb) |
|---------------|------|----------|-----|-------------|------------------|-------------------------|
| | | inch | mm | | | |
| 27-104-01-100 | 4 | 1/8 | 3.5 | 100' hank | White | 0.5 |
| 27-104-64-100 | 4 | 1/8 | 3.5 | 1,000' reel | White | 5 |
| 27-104-05-300 | 4 | 1/8 | 3.5 | 50' hank | Yellow | 0.25 |
| 27-104-01-300 | 4 | 1/8 | 3.5 | 100' hank | Yellow | 0.5 |
| 27-104-64-300 | 4 | 1/8 | 3.5 | 1,000' reel | Yellow | 5 |
| 27-104-05-325 | 4 | 1/8 | 3.5 | 50' hank | Yellow/Red/Black | 0.25 |
| 27-104-01-325 | 4 | 1/8 | 3.5 | 100' hank | Yellow/Red/Black | 0.5 |
| 27-104-64-325 | 4 | 1/8 | 3.5 | 1,000' reel | Yellow/Red/Black | 5 |

Other colours may be available. Please inquire.



Utility Rope

Our utility rope is a high quality, durable rope for general purpose or technical applications.

- Superior flexibility for knot tying
- Durable
- Good UV resistance

| Part # | Diameter | | Package | Colour | MBS* (lb) | Weight/Reel (lb) |
|--------------------|----------|----|-----------|-----------------|-----------|---------------------|
| | inch | mm | | | | |
| 06-303-21-200-0200 | 1/8 | 3 | 200' reel | Black | 450 | 2 |
| 06-303-21-600-0200 | 1/8 | 3 | 200' reel | Blue (Royal) | 450 | 2 |
| 06-303-21-T00-0200 | 1/8 | 3 | 200' reel | Camo (Blue) | 450 | 2 |
| 06-303-21-L00-0200 | 1/8 | 3 | 200' reel | Camo - Cadpat | 450 | 2 |
| 06-303-21-K00-0200 | 1/8 | 3 | 200' reel | Camo - Sand | 450 | 2 |
| 06-303-21-400-0200 | 1/8 | 3 | 200' reel | Green | 450 | 2 |
| 06-303-21-500-0200 | 1/8 | 3 | 200' reel | Red | 450 | 2 |
| 06-303-21-900-0200 | 1/8 | 3 | 200' reel | Olive Drab | 450 | 2 |
| 06-303-21-700-0200 | 1/8 | 3 | 200' reel | Orange (Safety) | 450 | 2 |
| 06-303-21-300-0200 | 1/8 | 3 | 200' reel | Yellow | 450 | 2 |
| 06-306-21-200-0200 | 1/4 | 6 | 200' reel | Black | 2,200 | 4 |
| 06-306-21-600-0200 | 1/4 | 6 | 200' reel | Blue (Royal) | 2,200 | 4 |
| 06-306-21-T00-0200 | 1/4 | 6 | 200' reel | Camo (Blue) | 2,200 | 4 |

* Breaking strength does not indicate the safe working load of a rope. Please refer to Important Precautions on page 19 for additional information.

CORDAGE

| Part # | Diameter | | Package | Colour | MBS* (lb) | Weight/Reel (lb) |
|--------------------|----------|----|-----------|-----------------|-----------|------------------|
| | inch | mm | | | | |
| 06-306-21-L00-0200 | 1/4 | 6 | 200' reel | Camo - Cadpat | 2,200 | 4 |
| 06-306-21-K00-0200 | 1/4 | 6 | 200' reel | Camo - Sand | 2,200 | 4 |
| 06-306-21-400-0200 | 1/4 | 6 | 200' reel | Green | 2,200 | 4 |
| 06-306-21-500-0200 | 1/4 | 6 | 200' reel | Red | 2,200 | 4 |
| 06-306-21-900-0200 | 1/4 | 6 | 200' reel | Olive Drab | 2,200 | 4 |
| 06-306-21-700-0200 | 1/4 | 6 | 200' reel | Orange (Safety) | 2,200 | 4 |
| 06-306-21-300-0200 | 1/4 | 6 | 200' reel | Yellow | 2,200 | 4 |
| 06-308-21-200-0200 | 5/16 | 8 | 200' reel | Black | 3,000 | 6 |
| 06-308-21-600-0200 | 5/16 | 8 | 200' reel | Blue (Royal) | 3,000 | 6 |
| 06-308-21-T00-0200 | 5/16 | 8 | 200' reel | Camo (Blue) | 3,000 | 6 |
| 06-308-21-L00-0200 | 5/16 | 8 | 200' reel | Camo - Cadpat | 3,000 | 6 |
| 06-308-21-K00-0200 | 5/16 | 8 | 200' reel | Camo - Sand | 3,000 | 6 |
| 06-308-21-400-0200 | 5/16 | 8 | 200' reel | Green | 3,000 | 6 |
| 06-308-21-500-0200 | 5/16 | 8 | 200' reel | Red | 3,000 | 6 |
| 06-308-21-900-0200 | 5/16 | 8 | 200' reel | Olive Drab | 3,000 | 6 |
| 06-308-21-700-0200 | 5/16 | 8 | 200' reel | Orange (Safety) | 3,000 | 6 |
| 06-308-21-300-0200 | 5/16 | 8 | 200' reel | Yellow | 3,000 | 6 |

Versa-Pro Poly Rope

Our 3 strand monofilament polypropylene ropes are an economic, general purpose rope.

- Light weight
- Easily spliced
- An excellent insulator (low dielectric loss, may be used safely around "hot" wires)
- Floats



| Part # | Diameter | | Package | Colour | MBS* (lb) | Weight/Reel (lb) |
|---------------|----------|----|----------------|--------|-----------|------------------|
| | inch | mm | | | | |
| 20-903-17-200 | 1/8 | 3 | 3,000 ft. reel | Black | 325 | 10 |
| 20-905-12-200 | 3/16 | 5 | 1,200 ft. reel | Black | 650 | 10 |
| 20-906-12-200 | 1/4 | 6 | 1,200 ft. reel | Black | 1,125 | 14 |
| 20-910-60-200 | 3/8 | 10 | 600 ft. reel | Black | 2,430 | 17 |

* Breaking strength does not indicate the safe working load of a rope. Please refer to Important Precautions on page 19 for additional information.

Hercules® Static Kernmantle Rope

Kernmantle ropes are the ideal choice for life safety and rescue applications. These ropes are manufactured with the load bearing fibers in the core, surrounded by a durable sheath designed to protect the core fibers from abrasion, dirt and harmful UV rays. Our Hercules® kernmantle ropes are designed for performance with exceptional strength and durability.



DID YOU KNOW?

Much of our Cancord team has come to Canada from countries where the Canadian Military has played an active role in times of war and crisis. We truly appreciate the sacrifice of our military service personnel both past and present. Thank you.

* Breaking strength does not indicate the safe working load of a rope. Please refer to Important Precautions on page 19 for additional information.

Hercules® Static Kernmantle Rope

| Part # | Diameter | | Colour | Certification | MBS* (lb) |
|---------------|----------|----|-------------|-----------------------|-----------|
| | inch | mm | | | |
| 10-310-20-150 | 3/8 | 10 | White/Red | NFPA 1983 Light Use | 6,000 |
| 10-310-20-200 | 3/8 | 10 | Black | NFPA 1983 Light Use | 6,000 |
| 10-310-20-500 | 3/8 | 10 | Red | NFPA 1983 Light Use | 6,000 |
| 10-311-20-140 | 7/16 | 11 | White/Green | NFPA 1983 Light Use | 6,750 |
| 10-311-20-200 | 7/16 | 11 | Black | NFPA 1983 Light Use | 6,750 |
| 10-313-20-600 | 7/16 | 11 | Blue | NFPA 1983 Light Use | 6,750 |
| 10-311-20-500 | 7/16 | 11 | Red | CNFPA 1983 Light Use | 6,750 |
| 10-311-20-700 | 7/16 | 11 | Orange | NFPA 1983 Light Use | 6,750 |
| 10-313-20-150 | 1/2 | 13 | White/Red | NFPA 1983 General Use | 9,000 |
| 10-313-20-200 | 1/2 | 13 | Black | NFPA 1983 General Use | 9,000 |
| 10-313-20-300 | 1/2 | 13 | Yellow | NFPA 1983 General Use | 9,000 |
| 10-313-20-400 | 1/2 | 13 | Green | NFPA 1983 General Use | 9,000 |
| 10-313-20-500 | 1/2 | 13 | Red | NFPA 1983 General Use | 9,000 |
| 10-313-20-600 | 1/2 | 13 | Blue | NFPA 1983 General Use | 9,000 |
| 10-313-20-700 | 1/2 | 13 | Orange | NFPA 1983 General Use | 9,000 |
| 10-313-20-900 | 1/2 | 13 | Olive Drab | NFPA 1983 General Use | 9,000 |
| 10-316-20-120 | 5/8 | 16 | White/Black | NFPA 1983 General Use | 12,000 |
| 10-316-20-200 | 5/8 | 16 | Black | NFPA 1983 General Use | 11,250 |

Our Hercules® Kernmantle ropes are NFPA 1983 Certified as indicated below. They can also be supplied with swaged terminations at the ends and hardware attached if required. Please refer to pages 16 thru 18 for available hooks and carabiners. When supplied in this manner they are CSA Z259.2.5 Certified.



* Breaking strength does not indicate the safe working load of a rope. Please refer to Important Precautions on page 19 for additional information.



Hercules® Personal Escape Rope

Designed for use in “bail-out” situations, our personal escape rope has been designed to balance strength, heat resistance, abrasion resistance and handling. It is a kernmantle construction, with a Technora® skin to protect the load bearing core fibers of the rope.

- Light weight
- Heat resistant (skin to 500°C, core to 245°C)
- Durable
- High strength
- Good handling and knot tying characteristics
- Technora® skin over polyester core

| Part # | Diameter | | Colour | Certification | MBS* (lb) |
|---------------|----------|-----|--------|---------------|-----------|
| | inch | mm | | | |
| 10-608-21-800 | 5/16 | 8.3 | Gold | NFPA 1983 | 3,500 |

Accessory/Prusik Cord

Our accessory cords have been developed based on extensive feedback from the field, and are designed to complement our kernmantle ropes. Our accessory cord is suitable for rescue applications. The 8mm size is recommended for use with our 11mm and 13mm static kernmantle rope in prusik hitches. The smaller sizes are suitable for sport and personal use.



- Excellent flexibility
- Maintains round shape through use
- Heavy sheath
- Good UV resistance

* Breaking strength does not indicate the safe working load of a rope. Please refer to Important Precautions on page 19 for additional information.

LIFELINES

| Part # | Diameter | | Package | Colour | MBS* (lb) | Weight/ Reel (lb) |
|---------------|----------|----|-----------|-----------------|-----------|----------------------|
| | inch | mm | | | | |
| 06-306-21-200 | 1/4 | 6 | 200' reel | Black | 2,200 | 4 |
| 06-306-21-600 | 1/4 | 6 | 200' reel | Blue | 2,200 | 4 |
| 06-306-21-400 | 1/4 | 6 | 200' reel | Green | 2,200 | 4 |
| 06-306-21-900 | 1/4 | 6 | 200' reel | Olive Drab | 2,200 | 4 |
| 06-306-21-700 | 1/4 | 6 | 200' reel | Orange (Safety) | 2,200 | 4 |
| 06-306-21-500 | 1/4 | 6 | 200' reel | Red | 2,200 | 4 |
| 06-306-21-300 | 1/4 | 6 | 200' reel | Yellow | 2,200 | 4 |
| 06-306-21-100 | 1/4 | 6 | 200' reel | White | 2,200 | 4 |
| 06-308-21-200 | 5/16 | 8 | 200' reel | Black | 3,000 | 6 |
| 06-308-21-600 | 5/16 | 8 | 200' reel | Blue | 3,000 | 6 |
| 06-308-21-400 | 5/16 | 8 | 200' reel | Green | 3,000 | 6 |
| 06-308-21-900 | 5/16 | 8 | 200' reel | Olive Drab | 3,000 | 6 |
| 06-308-21-700 | 5/16 | 8 | 200' reel | Orange (Safety) | 3,000 | 6 |
| 06-308-21-500 | 5/16 | 8 | 200' reel | Red | 3,000 | 6 |
| 06-308-21-300 | 5/16 | 8 | 200' reel | Yellow | 3,000 | 6 |
| 06-309-21-200 | 11/32 | 9 | 200' reel | Black | 3,700 | 8 |
| 06-309-21-600 | 11/32 | 9 | 200' reel | Blue | 3,700 | 8 |
| 06-309-21-400 | 11/32 | 9 | 200' reel | Green | 3,700 | 8 |
| 06-309-21-900 | 11/32 | 9 | 200' reel | Olive Drab | 3,700 | 8 |
| 06-309-21-700 | 11/32 | 9 | 200' reel | Orange (Safety) | 3,700 | 8 |
| 06-309-21-500 | 11/32 | 9 | 200' reel | Red | 3,700 | 8 |
| 06-309-21-300 | 11/32 | 9 | 200' reel | Yellow | 3,700 | 8 |

Note that when using a prusik cord, great care must be taken to match the cord with the host rope, and to test its effectiveness before use. Experience has shown wide variation in the performance of prusik hitches under different applications and conditions. The holding power of hitches may be greater than the strength of the cord itself, but back up hitches should be used wherever possible. We recommend 3 wrap (6 coil) hitches.

IN 1992

Cancord supplied its Hercules® static kernmantle lifelines to the British Royal Marines Commandos and the Canadian School of Rescue Training for a record breaking 1,465' climb on the outside of the CN Tower.



* Breaking strength does not indicate the safe working load of a rope. Please refer to Important Precautions on page 19 for additional information.



Hercules® Water Rescue Rope

Our Hercules® brand water rescue ropes are a kernmantle style construction. They have a durable nylon skin braided over a uniquely designed polypropylene core for floatation.

- High visibility safety orange and yellow
- Floats just below the surface of the water
- Flexible for easy knot tying
- Available with swaged terminations if required (note the swaged terminations reduce the floatability and strength of the rope)

| Part # | Diameter | | Colour | MBS* (lb) |
|---------------|----------|----|---------------|-----------|
| | inch | mm | | |
| 07-310-21-730 | 3/8 | 10 | Orange/Yellow | 4,000 |
| 07-310-21-370 | 3/8 | 10 | Yellow/orange | 4,000 |
| 07-313-21-730 | 1/2 | 13 | Orange/Yellow | 6,000 |
| 07-313-21-370 | 1/2 | 13 | Yellow/Orange | 6,000 |



THROW-RIGHT Water Throw Rope

Our THROW-RIGHT water throw ropes are a kernmantle style construction. They are manufactured from 100% high tenacity, multifilament polypropylene yarn.

- High visibility yellow and red
- Floats on the surface of the water
- Flexible for easy knot tying

| Part # | Diameter | | Package | Colour | MBS* (lb) | Weight/Reel (lb) |
|---------------|----------|----|-----------|------------|-----------|------------------|
| | inch | mm | | | | |
| 07-308-21-350 | 5/16 | 8 | 600' reel | Yellow/Red | 2,000 | 16 |

* Breaking strength does not indicate the safe working load of a rope. Please refer to Important Precautions on page 19 for additional information.

ROPE BAGS & ACCESSORIES

Rope Bags

Our rope bags are manufactured for exceptional quality and performance.

- Body of heavy cordura for excellent durability
- Rugged pack cloth top enables easy closure when pulling on the drawstring
- Molded backpack style shoulder straps for superior comfort
- Top carrying handles help the bag stay open while loading the rope
- Rubber carrying handle on the side of the bag for greater comfort

| Part # | Product | Capacity (1/2" Rope – sold separately) |
|---------------|--------------------------|---|
| 14-302-11-500 | Small Rope Bag – Red | 150 – 200 feet |
| 14-304-11-300 | Medium Rope Bag – Yellow | 300 – 400 feet |
| 14-306-11-700 | Large Rope Bag – Orange | 500 – 650 feet |



Water Throw Bags

- Designed for easy payout to maximize throwing distance
- Durable nylon fabric with a flotation insert
- High visibility orange
- Quick release buckle on hand strap

| Part # | Product | Capacity (1/2" Rope – sold separately) |
|-----------|--------------------------|---|
| 14-050-11 | Water Throw Bag – Orange | 50 feet of 8mm rope |
| 14-075-11 | Water Throw Bag – Orange | 75 feet of 8 or 10mm rope |



Edge Protectors

Edge protectors help protect against abrasion and cutting where the rope is in contact with corners and edges. They are a key factor in rope safety and prolonging the life of a rope.

- Constructed from multiple layers of heavy canvas fabric to protect the rope inside
- 24" length
- Designed to wrap around the rope and fasten with Velcro strips
- Complete with a cord and clip for tying the edge protector to the rope or anchor point

| Part # | Product |
|-----------|------------------------|
| 14-024-10 | Edge Protector - Black |



* Breaking strength does not indicate the safe working load of a rope. Please refer to Important Precautions on page 19 for additional information.

HARDWARE

SELF LOCKING SNAP HOOKS



3/4" Self Locking Snap Hook

Part # 14-350-06

- Forged steel, heat treated
- 100% proof loaded to 3,600lb (16kN)
- Minimum breaking load 5,000lb (23kN)
- Meets ANSI Z359.12, CSA Z259.12, EN 362
- Net weight – 13.7oz (390g)
- 5 21/64" (147mm) length end to end



3/4" Swivel Snap Hook

Part # 14-465-00

- Forged steel, heat treated
- 100% proof loaded to 3,600lb (16kN)
- Minimum breaking load 5,000lb (23kN)
- Meets ANSI Z359.12, CSA Z259.12, EN 362
- Net weight – 17.2oz (488g)
- 7 7/32" (196mm) length end to end



1 3/4" Self Locking Rebar Snap Hook

Part # 14-538-66

- Forged steel, heat treated
- 100% proof loaded to 3,600lb (16kN)
- Minimum breaking load 5,000lb (23kN)
- Meets ANSI Z359.12, CSA Z259.12, EN 362
- Net weight – 19.1oz (543g)
- 7 55/64" (200mm) length end to end



2 1/2" Self Locking Rebar Snap Hook

Part #14-539-46

- Forged steel, heat treated
- 100% proof loaded to 3,600lb (16kN)
- Minimum breaking load 5,000lb (23kN)
- Meets ANSI Z359.12, CSA Z259.12, EN 362
- Net weight – 27.8oz (788g)
- 9 19/32" (244mm) length end to end

HARDWARE

CARABINERS

5/8" Self Locking Carabiner

Part # 14-252-00

- Alloy steel, heat treated
- 100% proof loaded to 3,600lb (16kN)
- 3,600lb gate strength
- Minimum breaking load 5,000lb (23kN)
- Meets ANSI Z359.12, CSA Z259.12, EN 362
- Net weight – 8.0oz (226g)
- 4 13/64" (107mm) length end to end



"Big Dan" Twist Lock Carabiner

Part # 14-434-00

- Alloy steel, heat treated
- 100% proof loaded to 3,600lb (16kN)
- 3,600lb gate strength
- Minimum breaking load 5,000lb (23kN)
- Meets ANSI Z359.12, CSA Z259.12, EN 362
- Net weight – 12.9oz (369g)
- 4 3/32" (134mm) length end to end



2" Self Locking Carabiner

Part # 14-734-00

- Alloy steel, heat treated
- 100% proof loaded to 3,600lb (16kN)
- 3,600lb gate strength
- Minimum breaking load 5,000lb (23kN)
- Meets ANSI Z359.12, CSA Z259.12, EN 362
- Net weight – 27.3oz (774g)
- 8 17/32" (217mm) length end to end



HARDWARE

Ovalock Kwiklock Captive Eye Carabiner

Part # 14-433-30

- Alloy steel, heat treated
- 100% proof loaded to 3,600lb (16kN)
- 3,600lb gate strength
- Minimum breaking load 5,000lb (23kN)
- Meets ANSI Z359.12, CSA Z259.12, EN 362
- Net weight – 10.7oz (305g)
- 5 17/64" (134mm) length end to end



DESCENDERS

Rescue Figure 8 Descender

Part #14-435-00

- Forged aluminum alloy
- for rope diameters 3/8" (10mm) - 5/8" (16mm)
- Minimum breaking load 9,000lb (40kN)
- Polished finish
- 270g weight
- 6 11/16" (170mm) length
- 5 31/32" (152mm) width



ADDITIONAL RESOURCES

IMPORTANT PRECAUTIONS

Rated breaking strength is the optimum strength, achieved under laboratory conditions, in accordance with prescribed test procedures, on new rope, pulling at a slow, steady rate in a straight line. Real life applications normally involve many different types of forces and factors which will cause the rope to fail at much reduced loads. Accordingly, the safe working load of any new rope is much lower than its nominal strength. Blanket safe working load (SWL) recommendations cannot be made for any line because the SWL must always be calculated based on the application, conditions of use, and potential danger to personnel among other considerations. It is recommended that the end user establish the SWL base on best practices established by the end user's industry, professional judgment, and personal experience in combination with a thorough assessment of all risks. In life threatening and other critical applications, the safe working load should not exceed 1/15 of the nominal strength.

Knots reduce the strength of ropes by as much as 50% by causing the fibers to become distorted and cut into each other. Many of our ropes can be fitted with swaged terminations which are much more efficient than knots, losing only minimal strength.

Ropes should be kept clean. Dirt and grit inside the rope may cause the inner fibers to be cut or abraded, resulting in a loss of strength. Rope should be washed with a mild detergent in luke warm water and rinsed well. Air dry and avoid hot water.

Running ropes over edges such as roof tops or cliff edges causes abrasion to occur rapidly, and causes a cutting action in the rope. Rope must always be carefully protected at these points. Similarly, protection is required if the rope is being wrapped around angle iron or other structures which will cause the rope to suffer abrasion or cutting action. Ropes should be removed from service when deterioration from abrasion becomes excessive. Minor abrasion of the cover of kernmantle ropes will not itself result in a loss of strength, although it may indicate that the inner fibers have been damaged. Where abrasion

has penetrated the protective cover and exposed the core, the rope is unsafe for any use, and must be discarded.

Shock loads such as those experienced in fall arrest, and or other conditions where the load is applied very quickly, cause damage to the rope. Ropes which have been subjected to this type of force must be removed from service, or downgraded to less critical uses.

Nylon ropes will lose about 10% of their strength when wet and will elongate considerably more. They will regain their strength when properly dried.

Ropes will deteriorate from abrasion, excessive heat buildup, exposure to ultraviolet rays from the sun or from fluorescent lights, and exposure to certain chemicals and their fumes. Dirt will embed itself in the rope and cause the fibers to cut or abrade. Ropes should be stored and used, so as to minimize the effect of these and other damaging influences. Ropes should be checked frequently, and before critical use, for signs of deterioration.


Safe use of ropes requires skill, training, and practice. It is the user's obligation to be qualified to use the ropes & know their limitations. Cancord Inc. guarantees the material and manufacturing of the ropes but accepts no liability for failure due to misuse of any kind, or for use by persons with inadequate training. It is very difficult to judge the safety of used ropes, so it is important to inspect ropes very carefully, and to replace them if there is doubt about their condition.

ADDITIONAL RESOURCES

ROPE FIBERS

Cotton


| | | | |
|--|--|---|--------------|
|  Natural Fibre |  Chars at 148°C |  UV Resistance | Very Good |
|--|--|---|--------------|

 **Chemical Resistance**

- Degraded by acids in high concentration or at high temperatures
- Resistant to alkalis
- Degraded by organic solvents and sea water

 **Advantages**


- Exceptional Handling

 **Disadvantages**

- Susceptible to deterioration from moisture, rot & mildew
- Strength can be dramatically affected by basic environmental variables such as the level of humidity

Manila


| | | | |
|--|---|---|--------------|
|  Natural Fibre |  Chars at 148°C |  UV Resistance | Very Good |
|--|---|---|--------------|

 **Chemical Resistance**

- Degraded by acids in high concentration or high temperature
- Degraded by alkalis
- Resistant to organic solvents

 **Advantages**


- Very good creep resistance (gradual elongation under load)

 **Disadvantages**


- Poor microbial resistance
- Can be rough to handle

Polypropylene

| | | | |
|---|--|---|------|
|  Synthetic |  Melts at 165°C |  UV Resistance | Fair |
|---|--|---|------|

 **Chemical Resistance**

- Resistant to acids
- Resistant to alkalis
- Resistant to organic solvents, soluble in chlorinated hydrocarbons

 **Advantages**


- Light weight
- Inexpensive
- Unaffected by water
- Excellent microbial resistance

 **Disadvantages**


- Low strength relative to other synthetic fibers
- Susceptible to creep (gradual elongation under load)

Polysteel

| | | | |
|--|---|---|------|
|  Synthetic |  Melts at 140°C |  UV Resistance | Fair |
|--|---|---|------|

 **Chemical Resistance**

- Resistant to acids
- Resistant to alkalis
- Resistant to organic solvents, soluble in chlorinated hydrocarbons

 **Advantages**

- Light weight
- Good handling characteristics
- Unaffected by water
- Higher strength than polypropylene
- Excellent microbial resistance

 **Disadvantages**

- Susceptible to creep (gradual elongation under load)

ADDITIONAL RESOURCES

Nylon



Nylon 6
melts at 218°C

Nylon 6.6
melts at 258°C



Good



Chemical Resistance

- Resistant to weak acids
- Degraded by concentrated, strong acids
- Unaffected by most alkalis at room temperature
- Resistant to organic solvents, soluble in phenols and formic acid



Advantages

- Good strength
- Excellent microbial resistance



Disadvantages

- Susceptible to creep (gradual elongation under load)
- Abrasion resistance of wet nylon is generally poor
- Minor loss of strength when wet; strength is re-gained once rope dries

Polyester



Melts at
254°C



Very
Good



Chemical Resistance

- Resistant to mineral acids
- Degraded by strong sulphuric acids
- Degraded by strong alkalis at high temperature
- Resistant to organic solvents, soluble in phenols



Advantages

- Excellent microbial resistance
- Good strength & durability
- Unaffected by water



Disadvantages

- None

Kevlar®



Decomposes
at 500°C



Poor



Chemical Resistance

- Resistant to weak acids, bases, water & salt water
- Degraded by strong acids & bases in high concentration or high temperature



Advantages

- Exceptional strength
- Exceptional heat resistance



Disadvantages

- Poor shock loading qualities
- Poor abrasion resistance
- Expensive

Dyneema®



Melts at
145°C



Fair



Chemical Resistance

- Acid & alkali resistant.
- Resistant to bleaches, other oxidizing agents and most solvents.
- Unaffected by sea water



Advantages

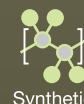
- Good strength
- Unaffected by water



Disadvantages

- Susceptible to creep (gradual elongation under load)
- Expensive

Technora®



Decomposes
at 500°C



Poor



Chemical Resistance

- Resistant to acids
- Resistant to alkalis
- Resistant to organic solvents
- Resistant to sea water and steam



Advantages

- Good strength
- Unaffected by water



Disadvantages

- Expensive

ADDITIONAL RESOURCES

ROPE CONSTRUCTION



Twisted Ropes

These ropes can be recognized by their spiral shapes. They are made by twisting together bundles of individual yarns to form strands, which are then twisted together to form the rope. Twisted ropes are easily spliced.



Braided Ropes

These ropes come in many variations and braiding patterns, but always consist of bundles of fiber which are formed into strands and then woven together by passing each strand over and under the others.

Cancord primarily manufactures braided ropes. Some of the different braided ropes we manufacture include:



Diamond Braid

These ropes are formed by rotating half the yarn strands in one direction on the braider, while the other half rotate in the opposite direction. These cords may be hollow, or they may have a center core of parallel fibers. These ropes tend to be a little flatter than other braided rope constructions.



Double Braid

These ropes are constructed from an inner hollow single braided rope (core) which has another hollow single braided rope constructed around its exterior (skin). The end result is a rope within a rope. Both the skin and the core share the load on the rope, but not necessarily in equal amounts. These ropes are generally very flexible, strong and pleasant to handle. They are easily spliced. Caution must be exercised where double braid ropes are run over pulleys, through hardware, or in any situation where the outer rope may slide along on the inner rope and bunch up. This condition, often called "milking", will result in a dramatic loss of strength by causing the entire load to be applied to the inner core. These ropes are also referred to as "Marine Ropes", "Yacht Braid" and "2 in 1".

ADDITIONAL RESOURCES

ROPE CONSTRUCTION

Kernmantle

These ropes are made by braiding a cover (mantle) over a core (kern). The core may consist of filaments of fiber lying essentially parallel inside the rope, or it may be twisted or braided into little bundles. The ropes are designed so that the inner core is taking most (often all) of the load, with the outer cover serving mainly to protect against abrasive action, dirt, and UV rays. All other types of rope have the load bearing fibers exposed and therefore deteriorate more rapidly. These ropes are exceptionally strong and durable, and can be made to have very low elongation. All kernmantle ropes have some stretch. However, static ropes are designed to minimize the amount of stretch, whereas dynamic ropes have relatively more stretch.



Solid Braid

These ropes are made by braiding 12, 18 or 20 strands in a reasonably complex pattern with all the strands rotating in the same direction on the braider. The center of the rope may contain a filler core. These ropes maintain their round shape and therefore work very well in pulleys and sheaves. They tend to have high elongation but generally have less strength than other constructions. They cannot be spliced. These ropes are also referred to as "Sash Braid".





193 Elgin Street
Hamilton, ON L8L 4Y2

Toll Free: 1-800-879-0079
Fax: 905-527-7790

info@cancord.com
www.cancord.com