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TERMS AND CONDITIONS ON ORDERS

Until paid for in full by customer, all materials on all orders remain the property of Consolidated Cordage Corporation. Standard terms of sale are net 30 days TAC from date of invoice. A 1.5% per month interest charge will be added to all past due invoices. All orders are subject to the acceptance by our credit department for approval.

RETURN OF MERCHANDISE:
Custom orders are not returnable.
No merchandise will be accepted for credit or replacements without prior written permission from the factory. Authorized return merchandise must be sent back prepaid and is subject to our 25% handling charge. Additional charges will be made if merchandise is damaged, obsolete or not in re-sale condition. Our credit memo will be issued less all handling charges. Returns are limited to a maximum 14 days from verified receipt of order. **No exceptions.**

ORDERS:
No cancellations will be allowed 24 hours after original date of order. Customer will be held responsible for any and all costs of material, labor and profit for any changes made to order.
Material ordered is subject to a + or - 5% allowance. Lengths are subject to a + or - tolerance.
All deliveries are contingent upon strikes, breakage of machinery, conditions arising out of national defense activities or any other circumstances beyond our control. We reserve the right to limit quantities and to revise or withdraw prices without notice.

MINIMUM ORDER:
$250.00 Net on standard items only.

All orders are subject to acceptance by our credit department for approval.

*INCHES / MM CONVERSION CHART*
Consolidated Cordage Corporation is an ISO and AS certified 8(m)WOSB. We manufacture #1 Quality Government specification and commercial Rope, Cord, Twine, Nets, Assemblies, Aeronautical, Electrical, Fall Protection, Rescue and Safety products listed below:

### Ropes
- Ascender
- Climbing • Crowd Control
- Di-Electric
- Escape • Evacuation
- Fast Ropes
- Helicopter Rescue
- Mooring • Anchor
- Motor • Transformer
- Rappelling
- Rescue
- Rigging
- Safety
- Towing
- Training Course
- Wire

### Bungee & Braided Cords • Related Assemblies
- Aeronautical Exerciser Bungee & Shock Cords
- Aircraft Interior Emergency • Escape • Evacuation
- Antenna Guy Lines
- Apparel • Backpack • Tent Lines
- Barrier & Crowd control Lines • Assemblies
- Blousing • Boot Straps
- Descender • Pulley • Rigging
- Elastic: Flat • Rigid
- Engine Motor Lacing Tapes and Starter Cords
- Electrical • Lacing Tapesm Cords and Twines
- Expandable Cable & Wire Sleevings
- Fall Protection
- Halyard Lines
- Hoisting • Slings • Harnesses
- Kernmantle: Static & Dynamic
- Lacing Tapes & Tying Twines
- Lanyard Assemblies Fibrous & Wire
- Military Night Vision Goggle Cords
- Mooring • Tow • Anchor Lines
- NFPA Rescue • Climbing • Kernmantle
- Parachute Cords
- Shot Line
- Tent • Tarpaulin Lines & Assemblies
- Teather Lines • Special Materials
- Wiring Harness Lacing Tapes • Expandable Sleevings

### Twines
- Apparel • Butcher
- Electrical Lacing
- High Temperature
- Lacing Tapes
- Linen Lacing
- Military Lacing
- Tarred Marline
- Wiring Harness

### Wire and Slings
- Aircraft Cable Galvanized • Stainless
- Helicopter Lead Lines
- Slings:Web Hoisting • Round
- Wire Ropes & Related Assemblies

### Nets
- Blasting Mats • Erosion Mats
- Cargo • Stowage
- Climbing • Fall Protection
- Helicopter • Rescue
- Marine • Barrier
- Ship Railing • Stowage
- Training Course

### Narrow Fabrics
- Apparel Tape • Web
- Fastener • Hook & Loop
- Tape • Webbing • Bandolier • Impregnated • LBE • Harness

### Special Yarns:
- Aramid
- Ceramic
- Dyneema
- Fiberglass
- Kevlar
- Linen
- Nomex
- Plasma
- Spectra
- Tarred Marline
- Technora
- Vectran
- Zylon

### Special Treatments:
- Bond
- Copper 8
- Dyeing
- Elastomer
- Fire Retardant
- Impregnating
- Polish
- Silicone
- Tarring
- Teflon coating
- Vinyl
- Wax
- Weather Treating

### Special Items:
- Assemblies • Aerostat Mooring/Flying/Tether • Bandolier • Blasting Mats in fiber or wire rope
- Cable/Wire bundle sleeve • Electric Rope Cutters • Evacuation Systems • Fall Protection Safety Ropes and Nets
- Harnesses • Kernmantle • Lacing Cord • Lanyards • Rescue Lines & Nets • Rifle Slings
- Slings: Round & Web • Straps

### Diameters/Widths:
- 1/64" - 4-1/2" Diameter, up to 12" wide
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CONSOLIDATED CORDAGE CORPORATION
SOME OF OUR MILITARY CAPABILITIES

- Shot Line
- Ship Rail Nets
- Wiring Harness Lacing Tapes
- Night Vision Retaining Lanyard
- Kevlar Boot, Neck, Safety Cords
- Climbing + Rappelling Lines
- Tow Bridle Assembly
- Evacuation + Rescue Lines
- Obstacle Course Components
- Navy Tagline
- Parachute Line + Brake Tape
- Depressurization Emergency Door Assembly
- Snubber Line
- Rigging Assembly
- Dock Lines with Chafing Gear
### DIAMOND BRAIDS

#### COTTON
100% Cotton or Poly/Cotton Blend  
**Treatments:** Colors • Weather • Fire Retardant  
**Uses:** Pet • Utility and more  
**Sizes:** 1/8"-3/8" diameter

#### NYLON
Excellent Shock Absorbing • Abrasion and Chemical Resistant with Slightly More Stretch  
**Treatments:** Colors • Assemblies  
**Uses:** Apparel • Drawcord • Starter Cord • Utility and Military Application  
**Sizes:** 3/32"-5/8" diameter (Std) - or - 3/4" diameter (Min order 5000 feet)

#### POLYESTER
Excellent Low Stretch with Good Weathering • UV • Abrasion and Chemical Resistant  
**Treatments:** Colors • Assemblies  
**Uses:** Flag line • Starter Cord • Utility and Military Application  
**Sizes:** 3/32"-3/4" diameter

#### POLYPROPYLENE (MFP)
Good knotting Properties • Lightweight and Soft.  
**Treatment:** Colors • Assemblies  
**Uses:** Apparel • Craft • Pet • Halyard • Military and General Utility  
**Sizes:** 3/32"-3/4" diameter

#### SPECIALTY BRAID
**Constructions and Materials:** made to your drawings and specifications. From Military Paralines to Special use cords and Assemblies.  
**Specialty materials:** Aramid • Kevlar, Nomex • Plasma • Spectra • Technora and Vectran.  
**Treatments:** Colors • Finishes • Treatments • and Assemblies

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**DIAMOND BRAID**

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* Tensile Strength Determined By Core Material  
** For Colors Specify Part # DB(MFc)
SOLID BRAID

COTTON
100% Cotton or Poly/Cotton Blend
Treatment: Polish • Weather • Fire Retardant and Wire Center
Uses: Awning • Clotheslines • Pet • Utility and Military Application
Sizes: 1/8"-5/8" diameter

NYLON
Strong • Abrasion and Chemical Resistant with Slightly More Stretch
Treatment: Colors • Wire Center
Uses: Flag line • Starter Cord • Utility and Military Application
Sizes: 3/32"-5/8" diameter (Std) - or - 3/4" diameter (Min order 5000 feet)

POLYESTER
Excellent UV • Abrasion and Chemical Resistant with Low Stretch
Treatment: Colors • Wire Center
Uses: Flag line • Starter Cord • Utility and Military Application
Sizes: 3/32"-5/8" diameter (Std) - or - 3/4" diameter (Min order 5000 feet)

POLYPROPYLENE (MFP)
Good knotting Properties • Lightweight and Soft.
Treatment: Colors • Wire Center
Uses: Craft • Equestrian • Pet • Halyard and General Utility
Sizes: 3/32"-5/8" diameter (Std) - or - 200 ft spool (Min order 1000 feet)

SPECIALTY BRAID
Constructions and Materials: made to your drawings and specifications. From Military Paralines to Special use cords and assemblies.
Specialty materials: Aramid • Kevlar • Nomex • Plasma • Spectra • Technora and Vectran.
Treatment: Colors • Finishes • Treatments • and Assemblies

* All Solid Braids are available with or without core. Also Special Put Ups: Hanks, Mini Coils or Lengths.
Ask your sales person for details.

** For Colors Specify Part # SB(MFc)

* Galvanized Wire Tensile plus strength of cord

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** GALVANIZED WIRE CENTER (GA)
### NYLON

**Construction:** Sixteen strand braided jacket over 8 strand braided core

**Advantage:** Kink free • Spliceable • Some Shrinkage • Good Chemical Resistance.

**Military Specifications:** Available (see Pg 2)

**Uses:** Marine and Industrial application

### POLYESTER

**Advantage:** Low Stretch • High tensile with balanced and round construction.

**Benefits:** Excellent abrasion and UV resistance.

**Military Specifications:** Available (see Pg 2)

**Treatments:** Polyurethane

**Uses:** Halyards and low stretch applications

### POLYESTER / SPECTRA

Best Combination of a very High strength core with Extra low stretch. Excellent abrasion resistance Polyester cover.

**Treatments:** Marine or Polyurethane

**Uses:** Anywhere High Strength, Low stretch is required

### BRAIDED CORDS (CONT.)

#### DOUBLE BRAID

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* All Spools 600’ Put Up ** For Colors Specify Part # BB(NYc)
**BRAIDED CORDS (CONT.)**

### 12 STRAND

#### NYLON - 12

Excellent strength • non-rotational and retains roundness when under load. Does not hockle.

#### POLYESTER - 12

Flexible torque free, retains roundness under load. Available with coatings for additional abrasion resistance.

#### SPECTRA - 12

High Strength • Low Stretch • No Creep. Excellent Bending and Flex Fatigue Resistance properties. Torque Free and Spliceable

**Treatments:** Wax finish or Polyurethane coating

#### VECTRAN-12

High Strength • Low Stretch • No Creep. Excellent Bending and Flex Fatigue Resistance properties. Torque Free and Spliceable

**Treatments:** Wax finish or Polyurethane coating

---

### 12 STRAND

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* All Spools 600’ Put Up
COTTON

**Construction:** Twisted Only
Top Quality 100% cotton (CT) or Cotton/Poly (CP)
Colors Available

**Military Specifications:** Available (see Pg 2)

**Uses:** Pet toys • Hammocks • Draw cords and Halters

**Sizes:** 5/32"- 1-1/4" diameter

---

MANILA

**Construction:** Twisted only
Medium lay "A" Grade low cost Natural Fiber

**Military Specification:** Meets TR-605 Specifications

**Treatments:** Weather resistant or Tarred

**Uses:** Tent lines • Tug of War • Climbing

**Sizes:** 3/16"-3" diameter

---

NYLON

**Construction:** Twisted or Plaited
Flexible shock absorbent • Excellent stretch and wet strength retention.
Resists chafing and most chemicals

**Military Specifications:** Several Available (see Pg 2)

**Treatments:** Colors Available

**Uses:** Mooring and Anchor lines • Climbing and Safety • Tie down and Towline

**Sizes:** 3/16"-4" diameter (Twisted) • 4-1/2" diameter (Plaited)

---

Combination

**Construction:** Twisted or Plaited
Polyester cover (excellent abrasion resistance) over Polypropylene core (low stretch) cost-effective rope
White with color marker

**Military Specifications:** Available (see Pg 2)

**Uses:** Electrical • Safety and Utility

**Sizes:** 1/4"- 2" diameter

---

The above tensile strength represents laboratory averages only and we do not guarantee any of these tensiles. Working load rope not to exceed 14% when rope is new–less on used rope.
POLYPROPYLENE

Construction: Twisted or Plaited
Light weight • Low stretch floatable rope with good strength • chemical resistance • Moderately priced
Military Specifications: Several Available (see Pg 2)
Treatments: Colors Available
Uses: Barrier • Crowd Control • Construction • Electrical • Events • Pool • Ski Slopes • Safety • Stanchion • Truck • Tarpaulin • Utility.
Sizes: 1/4"-4" diameter (Twisted) • 4-1/2" diameter (Plaited)

POLYESTER

Construction: Twisted or Plaited
Low Stretch and Good Strength with Excellent Abrasion and UV Resistance.
Military Specifications: Several Available (see Pg 2)
Treatments: Colors Available
Uses: Mooring and Halyard lines • Tie down and low stretch applications
Sizes: 3/16"-4" diameter (Twisted) • 4-1/2" diameter (Plaited)
COTTON CABLED

Construction: 3 strand cabled
Military Specifications: Available (see Pg 2)
Treatments: Colors • Polish • Wax
Weather Treat
Uses: Bundling • Butcher • Fishing
Mason • Wrapping • Toys • etc.
Sizes: #6-#120
Pkg: 1/8 lb balls - 5 lb Tubes

LINEN

Construction: Plied
Military Specifications: Available (see Pg 2)
Treatments: Colors • Wax
Uses: Electrical • Military Lacing
Sizes: #4 - #12
Pkg: 1/4 lb - 1 lb Tubes

NYLON or POLYESTER

Construction: Twisted or Braided
Treatments: Colors • Tar • Treat
Uses: Electrical • Fishing • Mason • Rosary
Decorative • Sporting Goods • Toys • etc..
Sizes: #6 - #120
Pkg: 1/4 lb - 5 lb Tubes

SPECIALTY TWINES, TAPES and THREADS

Constructions and Materials: made to your drawings and specifications.
Uses: Aeronautical • Automotive • Circuit Board • Electrical • Lacing • Motor • Transformer • Wire Harness
Military Specifications: Several Available (see Pg 2)
Specialty materials: Aramid • Fiberglass • Kevlar • Linen • Nomex
Spectra • TFE.
Treatments: Special Colors • Finishes • Treatments

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<td>360</td>
<td>120</td>
<td>385</td>
<td>425</td>
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<td>54</td>
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<td>—</td>
<td>350</td>
<td>520</td>
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<td>60</td>
<td>288</td>
<td>150</td>
<td>310</td>
<td>550</td>
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<td>72</td>
<td>240</td>
<td>180</td>
<td>250</td>
<td>635</td>
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<td>96</td>
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<td>240</td>
<td>170</td>
<td>900</td>
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<tr>
<td>120</td>
<td>—</td>
<td>—</td>
<td>130</td>
<td>1050</td>
</tr>
</tbody>
</table>

** For Colors Specify Part # STNYc (Twisted) # BTNYc (Braided)
COTTON AND POLYESTER
Construction: Plied
Military Specifications: Available (see Pg 2)
Treatments: Colors • Polish • Wax • Tarred
Uses: Bundling • Butcher • Tying Machine • Mason • Wrapping • Toys • etc.
Sizes: 3 - 36 Ply
Pkg: 1/8 lb balls - 5 lb Tubes

TARRED MARLINE
Construction: 2 Ply Navy
Military Specifications: Meets TR-650
Type-IV, Class 1
Treatments: Tar
Uses: Military lacing and serving line
Sizes: 180 ft/lb, 140 lb tensile
Pkg: 1 lb Balls - 20 lb Tubes

WIRE ROPE

1 X 7 STRAND
NON FLEXIBLE
Applications: Straight load
Smaller diameters: fishing leaders and line.
Larger diameters: guy wire and messenger strand applications.

1 X 19 STRAND
NON FLEXIBLE
Applications: standard rigging on sail boats.
It is well suited for push-pull, & guying applications.

7 X 7 AIRCRAFT CABLE
MODERATELY FLEXIBLE
Use where extreme flexibility is not necessary.
Applications: Aircraft controls, exercise equipment, garage doors, running rigging on sailboats, & winches.

7 X 19 AIRCRAFT CABLE
VERY FLEXIBLE
Used when flexibility and fatigue are concerns.
Applications: Aircraft controls, exercise equipment, garage doors, running rigging on sailboats, & winches.

19 X 7 CABLE NON ROTATING
VERY FLEXIBLE
Applications: single line hoisting operation. Standard equipment on helicopter rescue winch applications.

6 X 19 WIRE ROPE
6 X 36 WIRE ROPE
True working wire ropes.
Applications: dredges, excavators, heavy duty hoisting cranes, logging, oil field, shovels & skidders.

Other constructions are available
Galvanized: Zinc coated carbon steel - corrosion resistance. It remains ductile over long periods of working. Higher break strengths than stainless steels. Tin over Zinc coated carbon steel also available.
302/304 Stainless Steel: Also known as 18-8 (18% chrome and 8% nickel nominal) The most common stainless steel providing good corrosion resistance and strength comparable to galvanized carbon steel.
316 Stainless Steel: Extra corrosion resistant. Used in high corrosive atmospheres where salt spray is. Approximate 10% less strength than 302 Stainless Steel.
305 Stainless Steel: Slightly more corrosive resistant than 302, non-magnetic. Applications include aeronautical and naval fields.

PRODUCT NUMBER  PLY  APPROX. FT./LB.  AV TENSILE STRENGTH
TTCT-003P     3    6400  8
TTCT-004P     4    4800  10
TTCT-006P     6    3200  15
TTCT-008P     8    2400  20
TTCT-010P    10    1920  25
TTCT-012P    12    1600  30
TTCT-016P    16    1200  40
TTCT-020P    20    960   50
TTCT-024P    24    800   60
TTCT-030P    30    640   75
TTCT-036P    36    533   90
**HOLLOW BRAID POLYPROPYLENE (PP)**

An excellent cost effective utility cord  
**Spliceable:** Yes  
**Treatments:** Colors  
**Construction:** 8 or 12 Strands  
**Diameters:** 1/8"-1" diameter  
**Uses:** Barrier • Blow line • Crowd control • Pet • Ski tow and more.

**HOLLOW BRAID POLYETHYLENE (PT)**

Excellent cost effective outdoor cord  
**Spliceable:** Yes  
**Treatments:** Colors  
**Construction:** 8 or 16 Strand  
**Diameters:** 1/8"-1" diameter  
**Uses:** Barrier • Crowd Control • Pet • Sport • Utility and more.

**SHOCK CORD**

High Quality Multi Strand Rubber Core  
Single or Double Cover Jacket available  
**Military Specifications:** Several Available (see Pg 2)  
**Materials:** Cotton • Nylon • Polyester • Multi-Filament Polypropylene  
**Treatments:** Colors • Assemblies  
**Uses:** Aeronautical • Clothing • Tie down

---

**HOLLOW BRAID**

<table>
<thead>
<tr>
<th>PRODUCT NUMBER</th>
<th>DIAMETER</th>
<th>SIZE</th>
<th>PUT UP</th>
<th>APPROX. SPOOL WT.</th>
<th>AV. TENSILE STRENGTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>HBB( )-0180050</td>
<td>1/8</td>
<td>4.0</td>
<td>3000</td>
<td>10</td>
<td>200</td>
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<td>HBB( )-0316050</td>
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<td>6.0</td>
<td>2000</td>
<td>12</td>
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<td>HBB( )-0732100</td>
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<td>1000</td>
<td>7</td>
<td>975</td>
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<td>HBB( )-0140100</td>
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<td>1000</td>
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<td>500</td>
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<td>3000</td>
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<td>500</td>
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</tbody>
</table>

* Please allow approximate 15%+ less tensile strength for Polyethylene

**HOLLOW BRAID POLYPROPYLENE 12 Strands**

<table>
<thead>
<tr>
<th>PRODUCT NUMBER</th>
<th>DIAMETER</th>
<th>SIZE</th>
<th>PUT UP</th>
<th>APPROX. SPOOL WT.</th>
<th>AV. TENSILE STRENGTH</th>
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</thead>
<tbody>
<tr>
<td>TSPP-0140100</td>
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<td>1000</td>
<td>10</td>
<td>1200</td>
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<tr>
<td>TSPP-0516100</td>
<td>5/16</td>
<td>10.0</td>
<td>1000</td>
<td>15</td>
<td>1750</td>
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<tr>
<td>TSPP-0380100</td>
<td>3/8</td>
<td>12</td>
<td>1000</td>
<td>20</td>
<td>2400</td>
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<td>1/2</td>
<td>16</td>
<td>500</td>
<td>18</td>
<td>3120</td>
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</tbody>
</table>

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**SHOCK CORD**

**SHOCK CORD (BUNGEE)**

High Quality Multi Strand Rubber Core  
Single or Double Cover Jacket available  
**Military Specifications:** Several Available (see Pg 2)  
**Materials:** Cotton • Nylon • Polyester • Multi-Filament Polypropylene  
**Treatments:** Colors • Assemblies  
**Uses:** Aeronautical • Clothing • Tie down

- Cotton - (CT)  
- Polyester - (PE)  
- Nylon - (NY)  
- Polypropylene - (MF)
ELASTIC

Commercial and Military Specification
Widths: 1/8” thru 12”
Materials: Standard Polyester Also available in Cotton or Nylon
Colors: Standard Black or White
(Other colors available. Minimum order may apply)
Many Treatments • Printing and Fabrications Available

HOOK AND LOOP

Commercial and Military Specification
Widths: 3/4” thru 4” . (60” wide in loop only)
Roll size: 50 yds/Standard products (custom lengths available)
Materials: Standard Nylon,
Also available in Polyester and Aramids
Backings: Standard • Sew-on
Also available: Pressure Sensitive with Rubber or Acrylic
Based Adhesive • RF Weldable • Solvent Activated
• Fire Retardant • Colors • Treatments

TAPE

Commercial and Military Specification
Widths: 1/8” thru 12” (Wider Widths Available)
Materials: Nylon • Polyester • Spectra • Nomex
Kevlar Cotton • Carbon Fibers • Fiberglass
Teflon Technora • Cotton, and more
Finishes: Resin • Flame Retardant • Echo
Sewing • Colors
Also Available: Treatments • Colors • Finishes and Fabrications

WEBBING

Commercial and Military Specification
Widths: 1/8” thru 12” (Wider Widths Available)
Materials: Nylon • Polyester • Spectra • Nomex
Kevlar • Cotton • Carbon Fibers
Teflon Technora, and More.
Finishes: Resin • Flame Retardant • Echo
Sewing Colors • Specialty Weaving.
Also Available: Treatments • Colors • Finishes and Fabrications

Kevlar Webbing
ELECTRICAL

BRAIDED LACING TAPE

Materials: Fiberglass • Nylon • Polyester • Teflon • Teflon/Glass • Nomex
Finishes: Uncoated • Wax • Elastomer • Teflon • Vinyl • Silicone • Liquid Nylon
Widths: .025-.225 inches (Nominal)
Thickness: .010-.016 (Nominal)
Colors: White • Natural • Black
Military Specifications: Several available (see page 2)

HIGH TEMPERATURE / HIGH STRENGTH PRODUCTS

Materials: Fiberglass • Kevlar • Nomex • Spectra • Teflon • Vectran.
Constructions: Braided Cords • Lacing Tapes • Narrow Fabrics • Thread .
Twisted Ropes • Twines.
Sizes: 1/64” dia and up
Military Specifications: Available (see page 2)
And more to meet your high temperature requirements

ROPE CUTTER, ELECTRIC

A must for heat-sealing Synthetic Ropes.
Warms up in 30 seconds
Cuts through large diameters in approx. 10 seconds
Available in 2 sizes:
ERC-1000-2 (4” blade) for up to ¾” diameter
ERC-1000-3 (7” blade) for over ¾” diameter

WIRE AND CABLE BUNDLE EXPANDABLE SLEEVE

Round tubular braid expands up to twice its nominal diameter.
Standard temperature range: 94-275°F
Haylar: High Temperature (94-302°F) • Flame Resistance
Polyester: Monofilament • Abrasion Resistance
Uses: Wire and Cable Bundling
Sizes: 1/8”- 2-1/2” Nominal diameter, 3/32”- 3-1/2” Expanded diameter
Colors: White or Black (Haylar has Spiral ID Tracer)

ELECTRICAL INSULATION TAPES

Materials: 100% Fiberglass • 100% Polyester • Polyester-glass Blend
Finishes: Heat Treated • Weave Setting • Resin Treated Edge and more
Widths: 1/2” to 2 inches Thickness: .003 -.020
Colors: Natural White or Yellow (Finish)
Benefits: 100% Fiberglass: Retains 50% tensile at 340°C • High Strength
Thermal conductivity • Excellent wet-out impregnation eliminates
air bubbles + voids
100% Polyester: Shrinks length + cross direction allowing for tight wrap
without buckle or puckering
Polyester-Glass: Polyester wrap w/Fiberglass filler allows for shrinkage lengthwise for tight wrap
without buckle or puckering. Maintain overlap with no shrink in cross direction.
Uses: Insulation • Reinforcement • Tight wraps • High heat • Heat shrink applications • more
Military Specifications: Several Available (see page 2).
BLASTING MATS
Construction: Hand made tightly woven under and over pattern
Material: Available in Manila • Polypropylene • Wire
Diameter: 3/4” thru 1-1/2” diameter rope
Advantage: Leaves ventilation for gases
Benefits: Curtains Debris
Uses: Shield from Explosions • Curtain and Contain Debris
Options: Various Sizes • Shapes and hardware available

ROPE NETS
Construction: Hand Made Knotted or Woven
Material: Available in Manila • Nylon • Polypropylene • Polyester • Polyethylene or Wire
Advantage: Easy Grip • Flexible
Uses: Barrier • Climbing • Fall Protection • Gangway • Safety • Shiprail
Options: Various Sizes • Shapes and hardware available

ROUND SLINGS
Construction: Flexible outer casing with heavy duty inner core
Advantage: Strong to move heavy loads
Benefits: Soft to prevent bruising or damage to delicate items
Uses: To lift irregular shaped loads
Options: Various Colors • Materials • Sizes and hardware available

WEB NETS
Construction: Knot-Free • Lay smooth • Slotted or Unslotted.
Advantage: Strong • Lay smooth on any surface
Benefits: Compact • Light weight
Uses: Cargo • Debris • Hoisting • Stowage
Options: Colors • Mesh sizes • Dimensions and hardware available

WEB SLINGS + STRAPS
Construction: Endless • Eye-eye • One and Two Triangle Choker Hitch
Advantage: Adapt to fit any load • Fit numerous hoisting machines
Benefits: Good weight distribution • Fits any load
Uses: To lift irregular shaped loads
Options: Various Colors • Materials • Sizes and hardware available

WIRE NETS
Construction: 1/16”-1/2” diameter wire • Made to any shape
Advantage: Extra strong to contain any sized debris
Benefits: Extremely strong yet flexible
Uses: Large Debris (Construction or Natural)
Options: Various Mesh sizes • Dimensions and hardware available
**KERNMANTLE & RESCUE**

**DYNAMIC KERNMANTLE ROPE**

Dynamic ropes are used as general, ice and rock climbing ropes. They are designed to stretch under load, absorbing some of the shock when a climber falls.

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Diameter</th>
<th>Falls Held</th>
<th>Impact Force (KN)</th>
<th>Sheath Slippage</th>
<th>Elongation (Static/Dynamic)</th>
<th>Std Colors</th>
</tr>
</thead>
<tbody>
<tr>
<td>KEDY-0380</td>
<td>9.9mm (3/8&quot;)</td>
<td>6</td>
<td>8.6</td>
<td>0mm</td>
<td>9.0% / 26.4%</td>
<td>Gray, Green, Orange, Blue, Brown</td>
</tr>
<tr>
<td>KEDY-1332</td>
<td>10.2mm (3/8&quot;)</td>
<td>6</td>
<td>8.5</td>
<td>0mm</td>
<td>7.6% / 31.1%</td>
<td>Green, Blue, Orange, Red</td>
</tr>
<tr>
<td>KEDY-0716</td>
<td>11.2mm (5/8&quot;)</td>
<td>9</td>
<td>8.7</td>
<td>15mm</td>
<td>9.4% / 36.8%</td>
<td>Orange, Black, Olive, Purple</td>
</tr>
</tbody>
</table>

*Custom colors available with minimum purchase of 200yds - 4500yds depending on diameter
**Certified to UIAA / EN 892
Custom lengths, spools and other sizes available

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**STATIC KERNMANTLE ROPE**

Static ropes are used for repelling and rescue purposes. They do not stretch like a dynamic rope and thus do not offer protection against shock loads (i.e., falling). Static ropes are more durable and resistant to abrasion than dynamic ropes.

<table>
<thead>
<tr>
<th>#KEST</th>
<th>NYLON (ny)</th>
<th>POLYESTER (po)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product Number</strong></td>
<td><strong>Diameter</strong></td>
<td><strong>MBS (lb)</strong></td>
</tr>
<tr>
<td>KEST(0)015</td>
<td>9mm (5/16&quot;)</td>
<td>4901</td>
</tr>
<tr>
<td>KEST(0)038</td>
<td>9.5mm (3/8&quot;)</td>
<td>5396</td>
</tr>
<tr>
<td>KEST(0)071</td>
<td>11mm (7/16&quot;)</td>
<td>6745</td>
</tr>
<tr>
<td>KEST(0)012</td>
<td>13mm (1/2&quot;)</td>
<td>9241</td>
</tr>
<tr>
<td>KEST(0)058</td>
<td>15mm (5/8&quot;)</td>
<td>19,091</td>
</tr>
</tbody>
</table>

*Static Nylon Use: Technical, confined space, high angle and multi-use rescue, industrial safety applications
-Nylon Std Colors: Black, Blue, Green, Orange, Red, White, Yellow (Orange + Green: 5/16" - 5/8")

*Static Poly Use: Tower construction, transmission line rescue, short haul helicopter rescue
-Poly Std Colors: 5/16" - Blue, Neon Green, White, Yellow, 5/8" - Black, Blue, Orange, Red, White
3/8" - 1/2" - Black, Blue, Neon Green, Olive Drab, Orange, Red, White, Yellow

*Custom colors available with minimum purchase of 200yds - 4500yds depending on diameter
**Certified to NFPA 1883. 2012 edition for Life Safety Rope - general use
Standard lengths: 150, 200, 300, 600, 860. Custom lengths, spools and other sizes available

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**KERNMANTLE FIRE RESCUE**

Fire rescue ropes are designed to meet the needs of fire fighters, search and rescue teams, and any other application requiring high strength, heat and abrasion resistance.

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Diameter</th>
<th>Fibers (Sheath/Core)</th>
<th>MBS (lb)</th>
<th>Weight (lbs/50')</th>
<th>Elongation (AT 100% MBS)</th>
<th>Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRAR-0140</td>
<td>6.8mm (1/4&quot;)</td>
<td>Aramid/Coreless</td>
<td>4200</td>
<td>0.93</td>
<td>4.02%</td>
<td>Accessory</td>
</tr>
<tr>
<td>FRNT-0932*</td>
<td>7.5mm (9/32&quot;)</td>
<td>Nylon/Technora Strand</td>
<td>3017</td>
<td>1.18</td>
<td>2.90%</td>
<td>Search Line</td>
</tr>
<tr>
<td>FRTE-0932**</td>
<td>7.5mm (9/32&quot;)</td>
<td>Technora</td>
<td>5756</td>
<td>1.55</td>
<td>1.60%</td>
<td>Escape Rope</td>
</tr>
<tr>
<td>FRTN-0932</td>
<td>7.5mm (9/32&quot;)</td>
<td>Technora/Technora</td>
<td>3912</td>
<td>1.30</td>
<td>5.80%</td>
<td>Escape Rope</td>
</tr>
<tr>
<td>FRAN-0516</td>
<td>8.0mm (5/16&quot;)</td>
<td>Aramid/Technora</td>
<td>5466</td>
<td>1.60</td>
<td>6.10%</td>
<td>Escape Rope</td>
</tr>
</tbody>
</table>

*FRNT-0932 Color is High Visibility orange + yellow with a reflective focus
**100% Technora construction retains core strength after exposure to elevated temps and gives longer burn through time
Aramid/Technora heat resistant to 532° Fahrenheit
Fire Rescue lines available with seven eyes and hooks
Custom lengths, spools and other sizes available
ASSEMBLIES
CUSTOM ASSEMBLIES & FABRICATIONS

Web Strap with grommets
Web Strap
Braid or Elastic with Terminal
Lanyard ORings + Clip

Sikorsky H3 Assembly
Bridle Assembly
Double Braid with Chafing Gear
Bungee hand served thimbles

Climbing net
Towline Assembly
Safety Cargo Stowage Net
Antenna Guy Assembly

Ammunition Strap
Lifting Strap
Spliced - Thimble - Snaphook
Shrink Tube Lanyard

Specialty Tow Line
Stowage Net
Swiss Seat Components
Double Braid eye splice