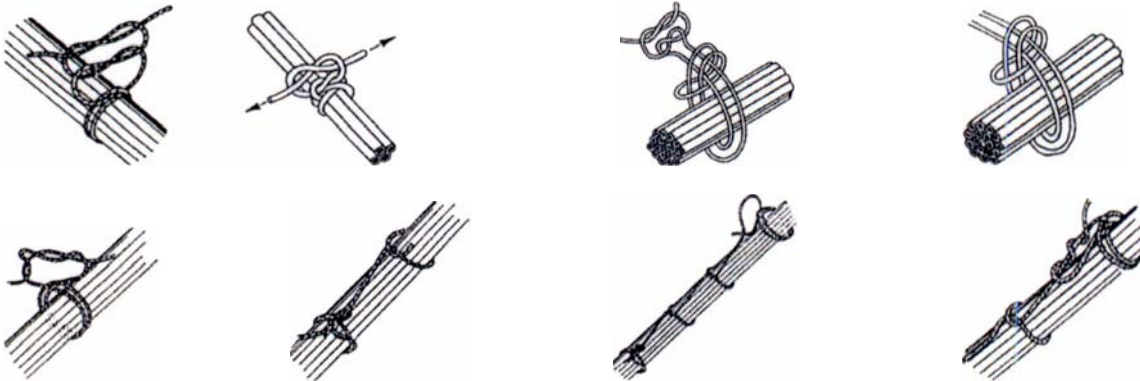




BRAIDED LACING TAPES

For Pricing and Information
please contact:
KIEPURA AVIATION CORP.
 61 Church St.
 Littleton, NH 03561
 Tel: 603-444-3459 / Fax: 603-444-0790
 Toll Free: 1-888-522-8273
 (USA/Canada)
 Email: jane@kiepuraaviation.com
www.kiepuraaviation.com

RECOMMENDED KNOTS FOR ELECTRONIC LACING TAPE



TYPE I - BRAIDED NYLON LACING TAPE

A-A-52080 (Mil T 43435)

Temperature: -67°F to 250°F (-55°C to 121°C). Discolors at 300°F (148°C). Melts at 480°F (248°F).

Colors: Natural (off-white) and Black. Others available as special order.

Put-Up: Sizes 1 and 2, 250 Yard/Spool. All others 500 Yards/Spool.

Style #	Width In Inches		Thickness In Inches		Breaking Strength (lbs. min)	Size
	Min	Max	Min	Max		
26	.180	.220	.013	.019	135	1
23	.099	.121	.012	.018	80	2
18	.077	.094	.011	.017	50	3
22	.054	.066	.009	.015	25	4
20	.045	.055	.006	.014	15	5
21	.056	.068	.005	.011	20	N/A
15	.029	.035	.001	.009	7	N/A

AVAILABLE FINISHES

Gudebrod Finish

Finish

- U Untreated. Natural nylon braided tape..... A
- W Wax Impregnated. Good handling..... B
- H Synthetic Rubber. Excellent knot retention..... C
- R Vinyl. Soft, abrasion resistant finish..... E
- B Polyamide (Nylon). Resistant to oils and other chemicals..... G
 such as skydrol, methanol, freon, etc.

Ordering Information: Specify Style, Finish and Color (i.e., 23H BLK)

TYPE II - BRAIDED POLYESTER LACING TAPE

A-A-52081 (MIL T 43435)

Temperature: -100°F to 350°F (-73°C to 177°C). Melts at 482°F (250°C).

Colors: Natural (off-white) and Black. Others available as special order.

Put-Up: Sizes 1 and 2, 250 Yards/Spool. All others 500 Yards/Spool.

Style #	Width In Inches		Thickness in Inches		Breaking Strength (Lbs, min)	Size
	Min	Max	Min	Max		
26D	.180	.220	.013	.019	135	1
23D	.099	.121	.012	.018	80	2
18D	.077	.094	.011	.017	50	3
22D	.054	.066	.009	.015	25	4
21D	.045	.055	.006	.014	15	5
20D	.043	.053	.004	.010	12	N/A
15D	.029	.035	.002	.008	4	N/A

AVAILABLE FINISHES

Gudebrod Finish	Finish
U Untreated Natural polyester braided tape.....	A
W Wax Impregnated. Good handling	B
H Synthetic Rubber. Excellent knot retention	C
Z Synthetic Rubber, flame retardant. Use where flammability	C
is a concern. Excellent knot retention.	
PTH Synthetic Rubber, low outgassing. Use for other space	C
applications NASA approved. (NTI color only)	
R Vinyl. Soft, abrasion resistant finish	E
S Polyamide (Nylon). Resistant to oils and other chemicals	G
such as skydrol, methanol, Freon, etc.	

*** Also available as "pre-shrunk". Add designation "PS" to style.**

Ordering Information: Specify Style, finish, Color, and Shrink, if applicable (i.e., 18DH BLK PS)

TYPE III - BRAIDED TEFLON LACING TAPE

A-A-52082 (MIL T 43435)

Temperature: -350°F to 550°F (-177°C to 288°C). Melts at 620°F (327°C).

Colors: Natural (dark brown). Teflon fiber cannot be colored or dyed.

Put-Up: Size 2, 250 Yards/Spool. All others 500 Yards/Spool.

Style #	Width In Inches		Thickness in Inches		Breaking Strength (Lbs. Min)	Size
	Min	Max	Min	Max		
256	.108	.132	.009	.014	30	2
231	.059	.072	.009	.014	15	4
230	.028	.034	.025	.031	14	N/A
302	.010 Nom. Diameter		-		4	N/A

AVAILABLE FINISHES

Gudebrod Finish

Finish

U	Untreated. Natural Teflon braided tape.....	A
	Poor knot tying characteristics	
H	Synthetic Rubber. Improved knot retention	C

* All of the above styles are available on "Pre-Shrunk" braided tape. (Add P to Product Description). Residual shrinkage is less than 3% after 16 hours at 425°F (218°C)

Ordering Information: Specify Style, Finish, and Shrink, if applicable (i.e., 231 HP NAT). Natural (dark brown) is the only color available.

TYPE IV - BRAIDED FIBERGLASS LACING TAPE

A-A-52083 (Mil T 43435)

Temperature: -67°F to 800°F (-55°C to 427°C). Softens at 1350°F to 1540°F (732°C to 877°C). Melts at 2100°F (1150°C).

Colors: Natural (white). Fiberglass cannot be dyed, but the finish may be pigmented Black.

Put-Up: Sizes 1 and 2, 250 Yards/Spool. All others 500 Yards/Spool.

Style #	Width In Inches		Thickness In Inches		Breaking Strength (Lbs. min)	Size
	Min	Max	Min	Max		
26X	.203	.248	.013	.019	200	1
23X	.099	.121	.013	.019	100	2
18X	.077	.094	.013	.019	75	3
22X	.054	.066	.013	.019	50	4
21X	.068	.083	.012	.018	70	WA

AVAILABLE FINISHES

Gudebrod Finish

Finish

U	Untreated. Natural fiberglass braided tape	A
Z	Synthetic Rubber. Improved knot retention	C
T	Teflon. Improved abrasion resistance	D
S	Silicone. Improved knot retention.....	F

Note: All of Gudebrod's fiberglass tapes are manufactured with glass yarns precoated with Teflon polymer in order to minimize fiber to fiber abrasion.

Ordering Information: Specify Style. Finish and Color (i.e. 23XT BLK).

TYPE V - BRAIDED NOMEX LACING TAPE

A-A-52084 (Mil T 43435)

Temperature: -67°F to 500°F (-55°C to 260°C). Decomposes at 700°F (371°C).

Colors: Natural (off white) with OD (olive drab) tracer. Other colors (to include tapes without tracer strand) are available as special orders. Color consistency cannot be guaranteed as Nomex is considered a non-dyable yarn.

Shrinkage: Very Low. Less than 2% at 500°F (260°C).

Put-Up: Sizes 1 and 2, 250 Yards/Spool. All others 500 Yards/Spool. 1342 250 YARDS ONLY.

Style #	Width In Inches		Thickness In Inches		Breaking Strength (Lbs. Min)	Size
	Min	Max	Min	Max		
726	.180	.220	.013	.019	85	1
723	.099	.121	.011	.017	50	2
718	.068	.083	.009	.015	35	3
722	.050	.061	.007	.013	25	4
1342	.081	.099	.017	.023	70	N/A
946	.012 Nom. Diameter		-		5	N/A

Style 726 formerly R&D #848. Style 7182 is Boeing 1074M. 7232 is Boeing 1045M.

AVAILABLE FINISHES

Gudebrod Finish

Finish

U	Untreated Natural Nomex braided tape.....	A
W	Wax Impregnated. Good handling	B
H	Synthetic Rubber. Excellent knot retention	C
Z	Synthetic Rubber, flame retardant. Excellent knot retention	C
S	Silicone. Improved knot retention	F
G	Polyamide (Nylon). Improved fluid resistance	G

Ordering Information: Specify Style, Finish, and Color (i.e. 718Z NAT).

TUF-TEST NON BRAIDED LACING TAPE

Low-cost, non MIL-Spec Lacing Tape

Temperature: -67°F to 250°F (-55°C to 121°C).

Colors: Natural (off-white).

Put-Up: Spools or Bobbins (36/box) as indicated.

Finish: Fungicidal, Microcrystalline wax, 24-40%.

Style #	Width	Thickness	Breaking Strength	Spool	Bobbin
	In Inches	In Inches	(Lbs. Min)	Quantity	Quantity
70	.090 Nom	.019 Nom	70	75 yds	60 ft.
50	.070 Nom	.016 Nom	50	1000	90
35	.062 Nom	.013 Nom	35	1000	135

Note: Style 70 complies with IBM Specification 147440.

Minimum Ordering Quantities: Spools: 50 Spools
Bobbins: 14 Boxes (36 bobbins/box)

Ordering Information: Specify Style and Put-up (i.e., 70 Tuf Test, BX)

ACCESSORIES

Gude-Pins Wire Holding Pins



Gudebrod Wire Holding Pins are specially designed for harness work. Pins are made from case-hardened blued steel, resist bending, and can be used over and over again. Each pin is precision pointed for easy insertion into the harness board. Rounded heads prevent wire damage and injury to hands and skin. **Gude-Pins** are available in seven sizes ranging from 1.18 inches (30mm) to 4.0 inches (10.2 mm) in length, and in various diameters - letter coded from (the smallest) A thru (the largest) G.

Code	Item No.	Dimensions	
		Diameter x length (Inches)	Diameter x length (mm)
A	0400000015	.060" x 1.18"	1.50mm x 30mm
B	0400000016	.080" x 1.40"	2.00mm x 35mm
C	0100000017	.080" x 2.00"	2.00mm x 50mm
D	0400000018	.100" x 2.40"	2.50mm x 60mm
E	0400000019	.100" x 2.80"	2.50mm x 70mm
F	0400000020	.120" x 3.15"	3.00mm x 80mm
G	0400000021	.160" x 4.00"	4.00mm x 100mm

Dacron™, Teflon™ and Nomex™ are registered trademarks of DuPont.