

# TECH-LACE

- **Type I**  
Nylon (Polyamide)  
Lacing Tape  
-67°F to 250°F  
(-55°C to 121°C)
  
- **Type II**  
Braided Polyester (Dacron)  
Lacing Tape  
-99°F to 350°F  
(-73°C to 177°C)
  
- **Type III**  
TFE-Fluorocarbon  
Lacing Tape  
-99°F to 450°F  
(-73°C to 232°C)
  
- **Type IV**  
Braided Fiberglass  
Lacing Tape  
-67°F to 800°F  
(-55°C to 427°C)
  
- **Type V**  
Braided Nomex (Heat  
Resistant) Lacing Tape  
-67°F to 500°F  
(-55°C to 260°C)
  
- **MIL-T-43435**

## Cable Lacing - Inexpensive Method of Wire Dressing

While cable ties are the most common method of wire dressing, there is an alternate method known as cable lacing. This method has been used on aircrafts, ships, and military equipment for many years.

Lacing Tape meets Military Specification MIL-T-43435 and is made of braided Nylon, Polyester, TFE-Fluorocarbon, Fiberglass or Nomex.

The basic concept of lacing is to use a flat cord to tie the cable bundle together. While lacing may be somewhat of a lost art - it's easy to learn, and you will be lacing your bundling projects in no time.

Why lacing tape? Lasts longer than cable ties. Cable ties turn brittle and degrade over time due to environmental exposure and loss of plasticizers. A roll of lacing tape can manage any size cable bundle, from a couple of 22AWG wires to a fistful of heavy power cables.

Cable ties leave a sharp edge where the tail was cut off that can snag or get hung up. Some applications such as aerospace and aviation may specify laced harnesses as a design requirement. Lacing tape is ideal for lashing wires or cables to ladder bars, conduit and other wire management solutions.

Unlike cable ties, the insulation on wires bundled with lacing tape has less chance of cold flowing and shorting. No sharp edges to cut installer's hands when reaching into a tightly packed wiring cavity. Lacing tape is available in a wide range of materials, sizes and finishes to accommodate any engineering requirement.

MIL Finishes:  
Finish A = No Finish  
Finish C = Synthetic Elastomer (Rubber) Finish  
Finish D = TFE-Fluorocarbon Finish

**Colors Available:**  
Natural (NT), Red (RD),  
Brown (BR).



**Cut Cleanly**  
Scissors

**Cable lacing - easy to learn, quite inexpensive, looks more attractive, and is a superior method of bundling wires in your boat.**

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**SPECIALTY**  
Technical Data Sheet



**TECH-LACE**

	Part #	Mil Spec	Material	Mil Spec Size	Break Strength	Width		Thickness		Bulk Spool	Available Colors	
						Min	Max	Min	Max			
TYPE I No Finish FINISH A	LT1-S1-FA-NT	A-A-52080 MIL-T-43435 TYPE I	Nylon	1	135lbs	.180"	.220"	.013"	.019"	750'	Natural (NT)	
	LT1-S2-FA-NT	A-A-52080 MIL-T-43435 TYPE I	Nylon	2	80lbs	.099"	.121"	.012"	.018"	750'	Natural (NT)	
	LT1-S3-FA-NT	A-A-52080 MIL-T-43435 TYPE I	Nylon	3	50lbs	.077"	.094"	.011"	.017"	1,500'	Natural (NT)	
	LT1-S4-FA-NT	A-A-52080 MIL-T-43435 TYPE I	Nylon	4	25lbs	.054"	.066"	.009"	.015"	1,500'	Natural (NT)	
	LT1-S5-FA-NT	A-A-52080 MIL-T-43435 TYPE I	Nylon	5	15lbs	.045"	.055"	.006"	.014"	1,500'	Natural (NT)	
TYPE I Synthetic Rubber FINISH C	LT1-S1-FC-NT	A-A-52080 MIL-T-43435 TYPE I	Nylon	1	135lbs	.180"	.220"	.013"	.019"	750'	Natural (NT)	
	LT1-S2-FC-NT	A-A-52080 MIL-T-43435 TYPE I	Nylon	2	80lbs	.099"	.121"	.012"	.018"	750'	Natural (NT)	
	LT1-S3-FC-NT	A-A-52080 MIL-T-43435 TYPE I	Nylon	3	50lbs	.077"	.094"	.011"	.017"	1,500'	Natural (NT)	
	LT1-S4-FC-NT	A-A-52080 MIL-T-43435 TYPE I	Nylon	4	25lbs	.054"	.066"	.009"	.015"	1,500'	Natural (NT)	
	LT1-S5-FC-NT	A-A-52080 MIL-T-43435 TYPE I	Nylon	5	15lbs	.045"	.055"	.006"	.014"	1,500'	Natural (NT)	
TYPE II No Finish FINISH A	LT2-S1-FA-RD	A-A-52081 MIL-T-43435 TYPE II	Polyester	1	135lbs	.180"	.220"	.013"	.019"	750'	Red (RD)	
	LT2-S2-FA-RD	A-A-52081 MIL-T-43435 TYPE II	Polyester	2	80lbs	.099"	.121"	.012"	.018"	750'	Red (RD)	
	LT2-S3-FA-RD	A-A-52081 MIL-T-43435 TYPE II	Polyester	3	50lbs	.077"	.094"	.011"	.017"	1,500'	Red (RD)	
	LT2-S4-FA-RD	A-A-52081 MIL-T-43435 TYPE II	Polyester	4	25lbs	.054"	.066"	.009"	.015"	1,500'	Red (RD)	
	LT2-S5-FA-RD	A-A-52081 MIL-T-43435 TYPE II	Polyester	5	15lbs	.045"	.055"	.006"	.014"	1,500'	Red (RD)	
TYPE II Synthetic Rubber FINISH C	LT2-S1-FC-RD	A-A-52081 MIL-T-43435 TYPE II	Polyester	1	135lbs	.180"	.220"	.013"	.019"	750'	Red (RD)	
	LT2-S2-FC-RD	A-A-52081 MIL-T-43435 TYPE II	Polyester	2	80lbs	.099"	.121"	.012"	.018"	750'	Red (RD)	
	LT2-S3-FC-RD	A-A-52081 MIL-T-43435 TYPE II	Polyester	3	50lbs	.077"	.094"	.011"	.017"	1,500'	Red (RD)	
	LT2-S4-FC-RD	A-A-52081 MIL-T-43435 TYPE II	Polyester	4	25lbs	.054"	.066"	.009"	.015"	1,500'	Red (RD)	
	LT2-S5-FC-RD	A-A-52081 MIL-T-43435 TYPE II	Polyester	5	15lbs	.045"	.055"	.006"	.014"	1,500'	Red (RD)	
TYPE III No Finish FINISH A	LT3-S2-FA-BR	A-A-52082 MIL-T-43435 TYPE III	TFE-Fluorocarbon	2	30lbs	.108"	.132"	.009"	.014"	750'	Brown (BR)	
	LT3-S4-FA-BR	A-A-52082 MIL-T-43435 TYPE III	TFE-Fluorocarbon	4	15lbs	.059"	.072"	.009"	.014"	1,500'	Brown (BR)	
TYPE IV TFE FINISH D	LT4-S1-FD-NT	A-A-52083 MIL-T-43435 TYPE IV	Fiberglass	1	200lbs	.203"	.248"	.013"	.019"	750'	Natural (NT)	
	LT4-S2-FD-NT	A-A-52083 MIL-T-43435 TYPE IV	Fiberglass	2	100lbs	.099"	.121"	.013"	.019"	750'	Natural (NT)	
	LT4-S3-FD-NT	A-A-52083 MIL-T-43435 TYPE IV	Fiberglass	3	75lbs	.077"	.094"	.013"	.019"	1,500'	Natural (NT)	
	LT4-S4-FD-NT	A-A-52083 MIL-T-43435 TYPE IV	Fiberglass	4	50lbs	.054"	.066"	.013"	.019"	1,500'	Natural (NT)	
TYPE V No Finish FINISH A	LT5-S1-FA-NT	A-A-52084 MIL-T-43435 TYPE V	Nomex	1	85lbs	.180"	.220"	.013"	.019"	750'	Natural (NT)	
	LT5-S2-FA-NT	A-A-52084 MIL-T-43435 TYPE V	Nomex	2	50lbs	.099"	.121"	.011"	.017"	750'	Natural (NT)	
	LT5-S3-FA-NT	A-A-52084 MIL-T-43435 TYPE V	Nomex	3	35lbs	.068"	.083"	.009"	.015"	1,500'	Natural (NT)	
	LT5-S4-FA-NT	A-A-52084 MIL-T-43435 TYPE V	Nomex	4	25lbs	.050"	.061"	.007"	.013"	1,500'	Natural (NT)	
	TYPE V Synthetic Rubber FINISH C	LT5-S1-FC-NT	A-A-52084 MIL-T-43435 TYPE V	Nomex	1	85lbs	.180"	.220"	.013"	.019"	750'	Natural (NT)
		LT5-S2-FC-NT	A-A-52084 MIL-T-43435 TYPE V	Nomex	2	50lbs	.099"	.121"	.011"	.017"	750'	Natural (NT)
		LT5-S3-FC-NT	A-A-52084 MIL-T-43435 TYPE V	Nomex	3	35lbs	.068"	.083"	.009"	.015"	1,500'	Natural (NT)
		LT5-S4-FC-NT	A-A-52084 MIL-T-43435 TYPE V	Nomex	4	25lbs	.050"	.061"	.007"	.013"	1,500'	Natural (NT)