



## BRAIDED NYLON (POLYAMIDE) LACING TAPE

### A-A-52080 TYPE I

### 3 FINISHES: A-NO FINISH, B-WAX, AND C-SYNTHETIC RUBBER

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 aircraft, ships, and military equipment for many years. This lacing tape meets Military Specification MIL-T-43435 and is made of braided nylon. 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.

#### SIZING CHART

| Part #       | Mil Spec Size | Break Strength | Finish | Width |       | Thickness |       | Available Colors | Bulk Spool | Lbs/ Spool |
|--------------|---------------|----------------|--------|-------|-------|-----------|-------|------------------|------------|------------|
|              |               |                |        | Min   | Max   | Min       | Max   |                  |            |            |
| LT1-S1-FA-** | 1             | 135 lbs.       | A      | .180" | .220" | .013"     | .019" | NT & BK          | 750'       | 0.80       |
| LT1-S2-FA-** | 2             | 80 lbs.        | A      | .099" | .121" | .012"     | .018" | NT & BK          | 750'       | 0.45       |
| LT1-S3-FA-** | 3             | 50 lbs.        | A      | .077" | .094" | .011"     | .017" | NT & BK          | 1,500'     | 0.50       |
| LT1-S4-FA-** | 4             | 25 lbs.        | A      | .054" | .066" | .009"     | .015" | NT & BK          | 1,500'     | 0.40       |
| LT1-S5-FA-** | 5             | 15 lbs.        | A      | .045" | .055" | .006"     | .014" | NT & BK          | 1,500'     | 0.30       |
| LT1-S1-FB-** | 1             | 135 lbs.       | B      | .180" | .220" | .013"     | .019" | NT & BK          | 750'       | 0.95       |
| LT1-S2-FB-** | 2             | 80 lbs.        | B      | .099" | .121" | .012"     | .018" | NT & BK          | 750'       | 0.50       |
| LT1-S3-FB-** | 3             | 50 lbs.        | B      | .077" | .094" | .011"     | .017" | NT & BK          | 1,500'     | 0.55       |
| LT1-S4-FB-** | 4             | 25 lbs.        | B      | .054" | .066" | .009"     | .015" | NT & BK          | 1,500'     | 0.45       |
| LT1-S5-FB-** | 5             | 15 lbs.        | B      | .045" | .055" | .006"     | .014" | NT & BK          | 1,500'     | 0.30       |
| LT1-S1-FC-** | 1             | 135 lbs.       | C      | .180" | .220" | .013"     | .019" | NT & BK          | 750'       | 0.95       |
| LT1-S2-FC-** | 2             | 80 lbs.        | C      | .099" | .121" | .012"     | .018" | NT & BK          | 750'       | 0.50       |
| LT1-S3-FC-** | 3             | 50 lbs.        | C      | .077" | .094" | .011"     | .017" | NT & BK          | 1,500'     | 0.55       |
| LT1-S4-FC-** | 4             | 25 lbs.        | C      | .054" | .066" | .009"     | .015" | NT & BK          | 1,500'     | 0.45       |
| LT1-S5-FC-** | 5             | 15 lbs.        | C      | .045" | .055" | .006"     | .014" | NT & BK          | 1,500'     | 0.30       |

\*\*Replace the asterisks with color code NT for Natural and BK for Black

#### MIL FINISHES

|          |                                     |
|----------|-------------------------------------|
| Finish A | No Finish                           |
| Finish B | Wax                                 |
| Finish C | Synthetic Elastomer (Rubber) Finish |



## FEATURES

|                |                              |
|----------------|------------------------------|
| Material       | Nylon                        |
| Grade          | LT1                          |
| Wall Thickness | Refer To Table               |
| Mil Spec       | A-A-52080 MIL-T-43435 TYPE I |
| Drawing Number | TF001LT1-WD                  |
| Cutting        | Scissors                     |
| Usage          | General Purpose              |

## COLORS



Black (BK), Natural (NT)

## OPERATING TEMPERATURES

|                    |               |
|--------------------|---------------|
| Melt Point         | 478°F / 248°C |
| Maximum Continuous | 250°F / 121°C |
| Minimum Continuous | -67°F / -55°C |

## FLAMMABILITY

|        |    |
|--------|----|
| Rating | NA |
|--------|----|

## DETAIL



Nylon Lacing Tape