
LaceLok[®]

The Smarter Option for Secondary Wire Harness Support



Agenda

- About Us
- What is LaceLok
- Disadvantages of Traditional Methods
- Why Choose LaceLok
- LaceLok Construction
- Installation
- Mil-Spec Information

About Us

- Established in 1949
- Veteran-owned small business
- Made in the USA
- Global reach as the preeminent mil-spec qualified tool manufacturer
- DMC® products have been used on virtually every Defense System, Aircraft Program, Land or Sea Going Transport System, Space Exploration Program





What is LaceLok?

- LaceLok was designed to replace hand-tied lace and cable ties for secondary wire harness support
- Combines the ease of zip ties with the performance of string ties
- Developed by Ideal Industries in 2012
- Acquired and perfected by DMC in 2022
- Mil-Spec Qualified since Dec. 2022
- Listed in SAE AS50881H since Jan. 2023



Disadvantages of Traditional Methods

Hand-Tied Lace

- Applied inconsistently
- Loosen and slide over time
- Repetitive motion injuries
- Abrasion to operators
- Operator fatigue

Zip Ties

- Becomes brittle when exposed to extreme temperatures, chemicals & UV
- Often over tensioned
- Abrasive to wires and nearby components
- AS50881H
- MIL-DTL-32554
- MIL-DTL-32555
- NAVAIR 01-1A-505-1, TO 1-1A-14, & TM 1-1500-323-24-1



Why LaceLok?

Top Benefits of LaceLok

Superior

- Rated for operation in extreme temperatures - 65°C to 260°C
- Hydraulic fluid, lubricating oil, and fuel resistant
- Made of abrasion resistant meta-aramid fiber lace
- 40% lighter than large cable ties

Consistent

- Delivers consistent loop force controlled by the fastener
- Terminates consistently at 20 lbs (+/- 2 lbs) of applied tension
- Installs up to 3x faster than most hand-tied lace
- Prevents rework

Safer

- Reduces repetitive motion and abrasion injuries
- Reduces operator fatigue



LaceLok Construction

What is LaceLok Made of?

- Lacing Tape
 - Meta-Aramid fiber lace
 - Meets A-A-52084 Lacing Spec
- Fastener
 - High-performance thermoplastic PEEK material
 - Locking pin activates at 20 lbs (+/- 2 lbs) of tension
- Thread
 - Meets MIL-C-572
 - Secures the fastener to the lace until it is activated



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LaceLok Construction

Options Available for Purchase

LaceLok is available in various lengths and colors and is sold in quantities of 100.

- 6", 10", 18", and 24" lengths
- Natural, Natural w/Dark Tracer, Black, Blue, Brown, Grey, Green, Orange, Pink, Red, and Violet
- Common options are natural 10" (LF2-10NA1) and 18" (LF2-18NA1)

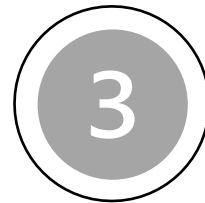
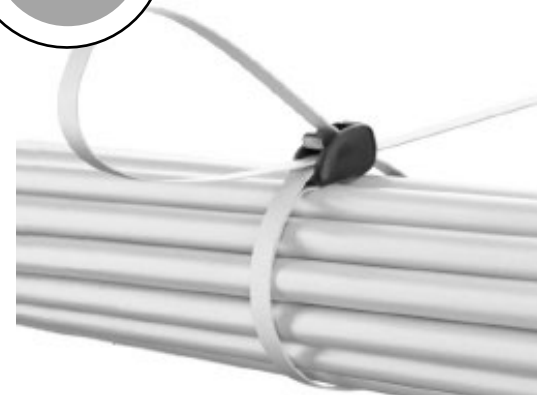


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Installation

How to Use LaceLok®



DMC®

Mil-Spec Numbers

- AS50881H
- MIL-DTL-32554
- MIL-DTL-32555
- MIL-HDBK-522
- NAVAIR 01-1A-505-1
- TO 1-1A-14
- TM 1-1500-323-24-1





**Thank
You**

