

Heritage of Precision Engineering

Military Heritage



Unmanned Aerial Vehicles (UAVs)

- MQ-1 Predator
- MQ-25 Stingray
- MQ-4C Triton
- RQ-4 Global Hawk
- MQ-9 Reaper

Airframe Achievements

- A-400M
- C-17
- C-130
- Eurofighter
- F-15
- F-16
- F-18
- F-22
- F-35
- STRIKE

Rotary Wing Platforms

- AH-64 Apache
- ATAK
- AW101
- AW139
- CH-47
- CH-53
- H-1
- V-22

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When it comes to [aerospace](#) and [military](#) applications, reliability isn't just a requirement—it's a necessity. That's why heritage matters. At Times Microwave Systems, our legacy isn't just about past achievements; it's about decades of proven performance, innovation, and engineering excellence in mission-critical environments.

Our [latest blog post](#) explores how our experience across military [aircraft](#), [UAVs](#), helicopters, and [missile systems](#) has shaped industry-leading coaxial solutions. With a deep understanding of the challenges engineers face, we don't just provide cables

—we develop tailored solutions that set new standards in performance and durability.

[Read the full blog](#) to learn how our heritage continues to drive innovation in aerospace and military transmission technology.

Want to learn more? Check out the full blog post!

Evolution of Our Solutions

Since 1948, Times Microwave Systems has driven innovation in transmission technology, from early coaxial cables in WWII to pioneering MIL-C-87104 in the 1970s. Our industry-defining solutions tackle high-frequency performance, extreme environments, and complex installations. Here are four key innovations that highlight our continued advancement.

MilTech® Cable Development

- MilTech cable: Improved frequency, temperature resistance, and vapor sealing beyond MIL-C-87104.
- MilTech LightWeight: 30% lighter assemblies.
- Supported key programs like the F-15 fighter jet.





Multi-Port Connectors

- Pioneered microwave connectors with MIL-DTL-38999 contact geometry.
- Developed Multiport (M-8) and Mini Multiports (MMP) connectors.
- Enabled up to 18 connections with a single jack screw.

PhaseTrack[®] Cable

- Introduced PhaseTrack cable with TF4[®] fluoropolymer foam in 2004.
- Ensured superior signal phase stability in extreme conditions.
- Sole manufacturer for over a decade, setting the industry standard for phased array radars.





LMR® Technology

- Designed with bonded aluminum foil as an outer conductor.
- Developed LMR-400, the first flexible, low-loss, 50 Ohm cable with foam core technology.
- Enhanced signal transmission, flexibility, and durability in a lightweight design.

Through these innovations and beyond, Times Microwave Systems continues to set the standard for coaxial cable technology, ensuring reliable, high-performance solutions for mission-critical applications.

Contact us today for a custom solution!

Upcoming Tradeshow

IWCE
Connecting Critical Communications

MAR 17TH - 20TH
LAS VEGAS, NV

Booth #
510

AOC Europe | 2025 Symposium & Convention

MAY 6TH - 8TH
ROME, ITALY

Booth #
C13

DEFEA

MAY 6TH - 8TH
ATHENS, GREECE

Booth #
D20



MAY 21ST - 22ND
INDIANAPOLIS, IN

Booth #
316


IMS
Connecting Minds. Exchanging Ideas.

JUN 15TH - 20TH
SAN FRANCISCO, CA

Booth #
1126


55TH INTERNATIONAL PARIS AIR SHOW
SALON INTERNATIONAL DE L'AERONAUTIQUE ET DE L'ESPACE
PARIS - LE BOURGET

JUN 16TH - 22ND
PARIS, FRANCE

Booth #
E80



Q: What applications or markets that PhaseTrack cable assemblies are the best solutions for?

A: They are for all the applications that require phase stability over a wide range of temperatures. Such as phase array technologies, radar and communication systems,

aviation and airframes, space/satellite applications, ground system, shipboard and naval, and other MIL-DTL-17 applications.

Got a question you'd like answered? Submit it here!

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How can we help?

Call us  : 1-800-867-2629

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