



Committed to advancing coaxial cable technology.



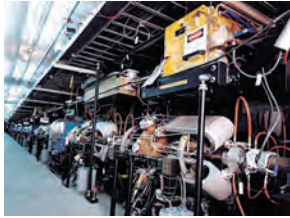
Who We Are

Times Microwave Systems, an Amphenol company designs and manufactures high performance coaxial cables, connectors and cable assemblies for military, aerospace, telecommunications and industrial RF and microwave applications. We are an engineering organization committed to innovation and the development of new products for demanding applications, as demonstrated by our record of accomplishment over our 60-year history. The ingenuity, quality and capability that make us the first choice for electronic warfare and other critical systems on virtually every military airframe have also been applied to products for telecommunications and industrial applications.

The expertise that has provided cable solutions for over half a century led to the development of Times LMR® cables. These high performance broadband, flexible, low loss 50 Ohm coaxial communication cables are used in nearly every wireless application.

Through a staff of Field Application Engineers, we apply our expertise to help our customers solve their RF and microwave interconnect problems. Unlike other manufacturers with limited product lines, the philosophy of Times Microwave Systems is to select or design the right product for each application. Since we have expertise in both cable and connector design and manufacturing, as well as in assembly of complete transmission lines, we can provide the best technical approach. Our range of manufacturing capabilities is unmatched, allowing us to consider the broadest range of products and choose the best one for the application. If one of our standard products is not the right choice for the application, we have the capability to design a custom product.





Markets We Serve

Times Microwave Systems serves the military, aerospace, telecommunications, and industrial markets. Our ingenuity, which provides cable and cable assembly solutions for the demanding requirements of airborne electronic warfare and electronic countermeasures systems, led the way in the development of low smoke cables for shipboard, airborne and ground based military interconnect systems, and high performance cables for the wireless communications market and countless special applications.

We serve many aerospace customers including Boeing, Lockheed Martin and Northrop Grumman, as well as Saab, Elisra, BAE, and EADS internationally. Telecom OEM's using our products include Motorola, Alcatel-Lucent, Huawei, Ericsson, Cisco, Nortel, ZTE, Datang, and Nokia Siemens Networks. Other organizations that use Times products include Novellus for semi-conductor manufacturing equipment, Fermi National Labs for nuclear accelerator instrumentation and GE Healthcare for magnetic resonance imaging equipment. Our products are widely used in the networks of Verizon, Sprint-Nextel and China Mobile. This represents a small sampling of the many customers that use our products - the range of applications for our products is virtually unlimited.



1945

Times Microwave Systems founded as Times Wire and Cable Company supplies cable to an expanding electronics market.

1952

Introduced cellular polyethylene dielectric for low-loss, triaxial shield constructions and increased shielding effectiveness.

1959

Developed first phase-compensated coaxial cable for electronically steerable array radar.

1960

Introduced strip braids for lower attenuation and increased shielding characteristics.

1963

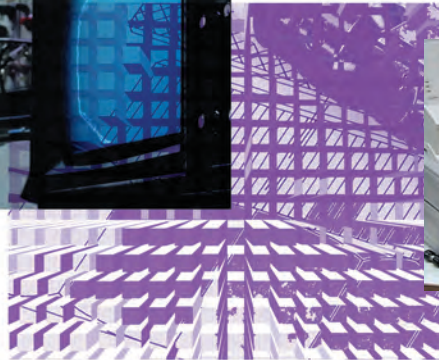
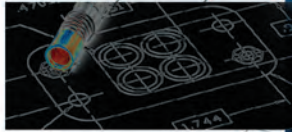
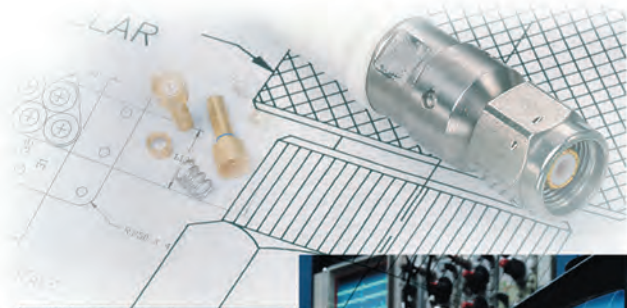
Established a manufacturing facility for connectors and facilities for production of precision cable assemblies with precise phase and time delay characteristics.

1966

Designed and manufactured the complete semi-flexible cable set for ECM system on the F-111.

1973

Expanded product line to include nuclear instrumentation cables and developed radiating coaxial transmission lines for communication in enclosed areas.



Design, Production and Quality

Times Microwave Systems maintains one of the largest and most modern state-of-the-art RF cable facilities in the world. Through our innovative and technical expertise, we engineer, design and manufacture the highest quality cable and cable assembly products. We build our cable assemblies to exacting standards for reliability in the most hostile environments and supply complete test data on VSWR, insertion loss, corona and other critical performance requirements.

We are an ISO-9001 registered company committed to continuous improvement and also ISO-14001 with respect to environmental management systems.



1978

Developed low-loss flexible cable with attenuation of less than 25dB/100ft. at 18 GHz.

1982

Developed cables and connectors for use up to 40 GHz.

1983

Pioneered self-torquing/self-locking connector technology.

1987

Began development of a new line of highly phase stable, ultra-flexible cables.

1988

Engineered high performance multi-contact interconnection system for use up to 20 GHz.

1989

Created reliable high voltage coaxial cable for use in cyclotrons.

1990

*Developed low-loss vapor sealed flexible cable with attenuation of less than 22dB/100ft. at 18 GHz.
Designed and produced first flexible impedance transforming transmission line.*



Our Products

Times Microwave Systems is dedicated to the improvement of coaxial cable technology and the development of new and innovative cable products. We pioneered the development of closed cell low-loss polyethylene foam dielectric and low-loss taped PTFE dielectric coaxial cables. Times was the first manufacturer to produce cables with reduced periodicity and impedance matched interfaces, resulting in the first transmission lines with low VSWR over broadband frequency ranges up to 40 GHz. Our development of innovative connector designs and manufacturing expertise make it possible for us to take full performance responsibility for the entire cable assembly. Today, Times manufactures the most comprehensive range of high performance flexible and semi-rigid coaxial cables, connectors and cable assemblies available in the industry.

1991

Developed and qualified flame retardant, low smoke, low toxicity coaxial cables.

1992

Developed T-Flex® flexible cables to replace RG-402 and RG-405 semi-rigid cables and still use the same connectors.

1993

Introduced LMR® Coax Cable, now the industry standard for flexible low loss communications cable.

1994

Developed and qualified an extremely lightweight, vapor sealed, flexible EW cable with 20dB/100ft. attenuation at 18 GHz.

1995

Times Microwave Systems' user friendly Multi-Port Connector System is chosen for use on F-22 EW and CNI avionics equipment.

1996

Provided Radiating Cable to the New York City Transit Authority for transit police coverage of more than 60 miles of subway.

1997

Designed and developed blind-mating, quick-disconnect connector for military and commercial aircraft antenna systems.

1998

Developed P8 version of Multi-Port Interconnect System to provide simplified insertion and removal.



Strategic Growth

In January, 2007 Times Microwave China was established in order to meet the ever increasing worldwide demand for LMR cable and other Times products including cable assemblies. As a dedicated plant with the latest in cable processing and testing equipment and a highly skilled, certified staff, TMC serves Times distributors and customers in the Asia-Pacific region and throughout the world.

TMC produced the antenna feeder cables and cable assemblies to support China Mobile and its equipment vendors in the field trials for the TD-SCDMA third generation cellular system and is well prepared to support the full scaled development of this Chinese developed technology in 2008. This includes the production of LMR cables, bundled LMR cables and cable assemblies.

The capabilities of TMC include production of SilverLine Test Cables, phase matched cable assemblies and the development of required connectors to address a broad range of technically challenging cable assembly applications. The combined engineering capabilities of our US based engineers and China based engineers can help solve the most demanding application challenges.

The TMC state-of-the-art facility is conveniently located in Shanghai in a modern area accessible to shipping centers to provide fast and efficient service throughout the entire eastern hemisphere.



1999

New MIL-C17 specifications (M17/220-M17/228) released for Times' newly developed line of light-weight, low-loss, low smoke, low toxicity coaxial cables.

Testmate® ruggedized flexible microwave test leads introduced, using replaceable connector front-ends.

2002

Times develops silicon dioxide (SiO₂) cable assembly product line.

2003

Times Microwave Systems selected by Lockheed Martin to supply Broadband Airborne Cable Assemblies for the F-35 Joint Strike Fighter (JSF).

2004

Times expands cable assembly operations into China.

2005

Times Microwave introduces SilverLine™ Test cables.

2006

Times Microwave receives the Boeing Supplier of the Year Award in their Avionics category.

2007

Times expands operations in China to include cable manufacturing

2009

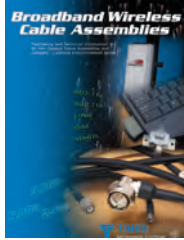
Times Microwave launches new Times-Protect® lightning protection product line.

2010

Times is awarded the Award of Excellence from Lockheed Martin for the F35 program



LMR® Flexible Communications Coaxial Cable
 LMR®, a complete system of cables, connectors, installation tools and accessories.



Broadband Wireless
 purchasing and technical information for 50 ohm coaxial cable assemblies and jumpers - licensed and unlicensed bands.



Coaxial Cables
 High performance RG, MIL-C-17, LSSB®, Stripflex®, T-Com®, and Tflex® coax cable.



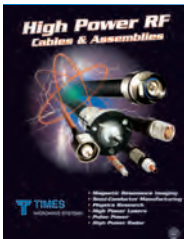
Coaxial Cable Assemblies
 High performance microwave cable assemblies for military, commercial aircraft & shipboard and ground based communications systems.



SiO2
 SiO2 cable assemblies are a major advancement in silicon dioxide coaxial cable technology.



Blind Mate
 Unique interconnect systems for quick avionics and electronic warfare system antenna connect/disconnect.



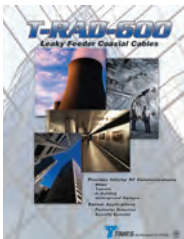
High Power RF Cables
 Broad range of highpower coax cables and assemblies for medical (MRI), semiconductor manufacturing equipment, particle physics and industrial applications.



Military Shipboard
 Low-loss, low smoke coaxial cables for military and commercial shipboard applications.



LMR® Bundled Cable
 High quality LMR® low loss, flexible 50 Ohm coax feeder cable, bundled under a common jacket.



T-RAD®-600
 Leaky feeder coaxial cables provide interior RF communications in mines, tunnels, in-building and underground garages, perimeter and security systems.



SFT™ High Performance Microwave Cables
 Rugged and flexible high performance cables.



Times-Protect® Smart Panel®
 The Smart-Panel system provides for single point grounding and eliminates costly and time consuming cable ground kits.



SilverLine™ & SilverLine™-VNA Test Cables
 Cost effective, rugged test cables for VNA and production. Solid and tape wrapped Teflon construction.



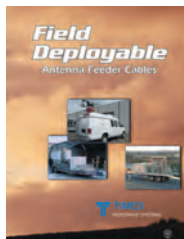
PhaseTrack™-210
 Phase stable cable assemblies for phased array systems, system interconnects, phase stable test cables and all system platforms.



Times-Protect®
 High performance lightning and surge protection.



SilverLine-TG™
 Addresses the test needs of the cellular infrastructure, wireless internet and land mobile radio installers.



Field Deployable Antenna Feeder Cables
 LMR®, T-Com® and Qeam™ cables are suited for the rigors of any mobile, portable or temporary field antenna deployment.



Heli-Foil™
 Ultra low loss, flexible Microwave Coaxial Cable - DC-18Ghz do-it-yourself cable assemblies. Low insertion loss - phase stable.

Our Mission

TIMES MICROWAVE SYSTEMS designs and manufactures high performance RF and microwave transmission lines for the military, aerospace and telecommunications industry. These products consist of flexible coaxial cable, connectors, accessories and cable assemblies.

We are committed to understanding the needs and requirements of our customers and providing highly engineered, cost effective products. TIMES MICROWAVE SYSTEMS is dedicated to total customer satisfaction and superior results for our shareholders in all we do.



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