

**PRESS
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F O R I M M E D I A T E R E L E A S E

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Times Microwave Systems Introduces PhaseTrack® Low Smoke Microwave Assemblies

Low loss, phase stable cable assemblies meet safety requirements of shipboard applications.

WALLINGFORD, CT — [Times Microwave Systems](https://www.timesmicrowave.com), the preeminent brand in innovative RF and microwave interconnect assemblies, cables and connectors, introduces PhaseTrack Low Smoke (PTLS™) microwave cable assemblies for shipboard applications. It provides exceptional phase temperature performance up to 85 °C. This cable type has the same low smoke zero halogen (LSZH) jacket used on Times' QPL M17 cables for easy cross-reference and qualification.

Low smoke, zero halogen cable assemblies are essential in confined spaces where air exchange is minimal such as onboard ships and submarines. Fire is one of the greatest dangers in these environments, as accumulating smoke can obscure visibility for safe evacuation. When burned, low smoke cables emit a less optically dense smoke that releases at a lower rate, making it easier for occupants to exit and protecting the safety of firefighting operations. Halogen-free materials also produce clearer, whiter smoke for better visibility and do not emit halogen's toxic off-gases.



About Times Microwave Systems

A pioneering brand in innovative RF and microwave interconnect assemblies, cables and connector designs, Times Microwave Systems is a division of Amphenol. The company has more than 70 years of experience in the industry and offers the most comprehensive suite of products in the market. TMS continues to rapidly expand its portfolio by addressing defense, medical, telecommunications, precision test and space applications. With a staff of more than 100 engineers and a global manufacturing presence, TMS is uniquely qualified to produce the right solution for our customers' complex requirements.

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“In a space where large amounts of cable are needed in close proximity to humans or sensitive electronics, low smoke and zero halogen cables are essential,” said Ted Prema, Director of Aerospace Programs. “Submarines and ships are classic examples, which is why the military was one of the first adopters of LSZH standards. The microwave systems perform critical operations in these environments and must be designed to work as safely as possible within the application constraints.”

The PTLs cables are available in a range of sizes from 0.2 to 0.6” and address all frequencies from HF through K band, including a variant optimized for minimum loss in Ku band. Cable assemblies can be supplied with any type of industry standard RF interface. The assemblies incorporate the proprietary TF5™ dielectric for a low loss, flexible, phase-optimized cable. Its stability is superior to PTFE and free of its notorious “knee”.

In-house engineering and manufacturing capabilities enable Times Microwave to deliver RF products that meet the most demanding requirements, including customized solutions in product design, installation, regulatory compliance, and performance improvement. Most importantly, as a manufacturer with fully integrated design, production, assembly and testing capabilities, Times Microwave can deliver RF interconnect solutions from conception through testing and production.

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