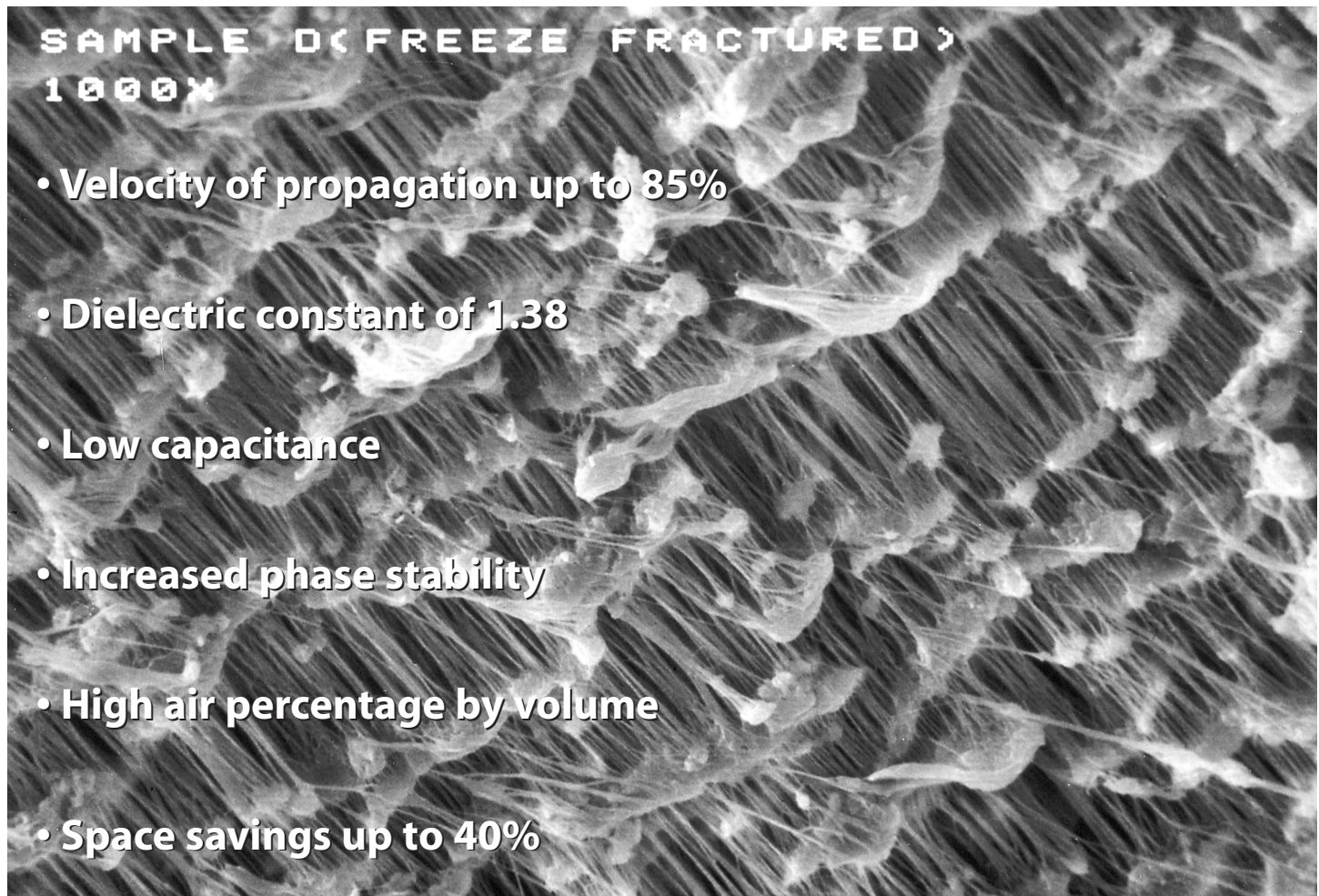


LTE dielectric—high speed, low loss, light weight.



Thermax **LTE** is a patented extruded expanded low-density PTFE dielectric offering multiple advantages, not only over solid PTFE, but other air-spaced constructions as well.

Unlike closed-cell foam, perforated-tape, or filament/air-spaced types, LTE does not lose mechanical strength at high percentages of air. In fact, LTE maintains structural integrity at up to 70% air by volume. Because the air is introduced into the PTFE during the extrusion process, LTE has a homogenous dispersion of air within its structure, providing highly-consistent performance from lot to lot and within a length of cable.

Other advantages of LTE construction include:

- 50 Ω , 75 Ω , and 95 Ω impedance standard; other impedances available.
- Lower capacitance at all impedances.
- Lower attenuation.
- 260° C temperature rating, with stable performance at elevated temperatures.
- Enhanced cable flexibility.
- High-performance replacements for MIL-C-17 cables such as RG-142, 179, 393, and 400.
- Twinaxial types, both parallel and twisted pair.

See page 4 for 100 Base-T Ethernet cables with LTE insulation; page 14 for twinaxial and high-speed miniature cables with LTE dielectrics; and page 17 for coaxial LTE cables. Other cable types are also available with LTE dielectrics; just contact your Thermax representative with your requirements.