

The term “Litz,” derived from the German word “Litzendraht” describes a conductor consisting of insulated strands twisted or braided together. This design equalizes the flux linkages and the individual strands causing the current to spread uniformly throughout the conductor. The resistance ratio (A.C. to D.C.) then tends to approach unity, which is desirable in all high-Q circuit applications.

In 1898, New England Wire became the first company in the United States to manufacture Litz wire on a commercial basis. Since then we have designed and manufactured thousands of constructions for use in high frequency inductors and transformers, inverters, communication equipment, ultrasonic equipment, sonar equipment, television equipment, radio equipment and induction heating equipment. We have also provided cabling, insulating and other services to the superconductor industry since its inception in the early 1960s. And our products are integrated into major accelerator projects, ore separator magnets, NMR magnets, and superconducting magnetic energy storage magnets.

WINDING WIRES

New England Wire Technologies also manufactures specialty winding wires that reduce the size of your designs and save you time and money.

NEWind® Specialty Winding Wire solves the problem of insulating between winding turns by coating the conductors with thin layers of fluoropolymer insulation.