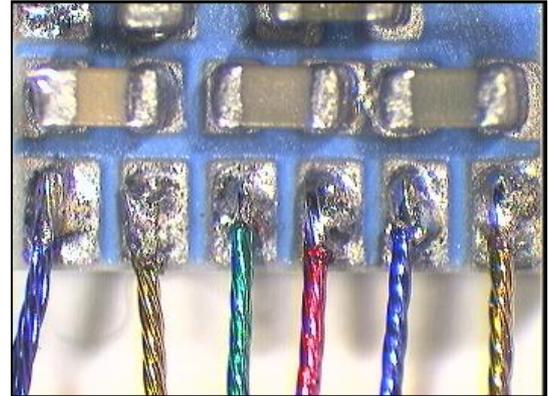


ESW™ Litz

ESW™ Litz lead wire standard was designed as a result of our customers' continued requests for improved lead wire quality.

ESW™ Litz wires are tinned 0.02" (0.5 mm) in each end. Such short tinning minimizes the risk of short circuits and wires that are broken due to stress and/or corrosion.

The outstanding blend of materials combined with **estron's** state of the art technology provides you with all the benefits needed to increase the quality level of your instruments.



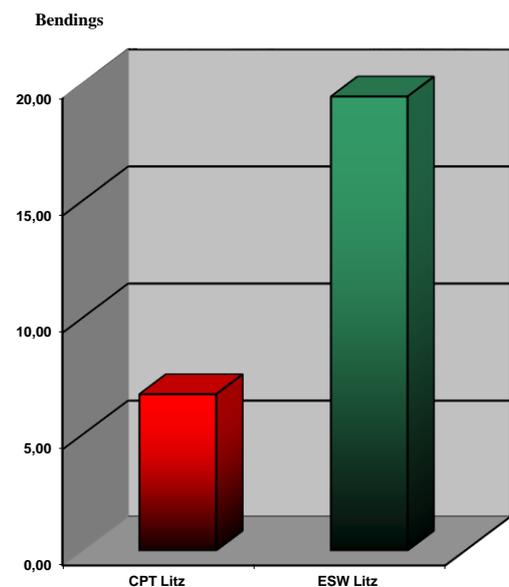
Why does ESW™ Litz last up to three times longer in bending tests?

Traditionally **CPT™ Litz** breaks after a few bends. When soldering the wire on to the solder-pad, the melted solder flows back and melts part of the enamel. The solder forms the well-known trumpet shape. This is a commonality that creates a highly sensitive region where the wire and solder meet. The wire is particularly sensitive to bending and corrosion in this exposed area.

When the **ESW™ Litz** breaks, it happens **above** the solder joint leaving a piece of the wire on the solder-pad.

Results from bending tests prove the **ESW™ Litz** to be up to three times better than traditional **CPT™ Litz**.

ESW™ Litz preserves the anti-feedback benefits and is resistant to corrosion. **ESW™ Litz** contains no cadmium, nickel or beryllium.



ESW™ Litz success principles:

1. **Short tinning:** No metal is left exposed between the enamel and the solder bump, therefore shorts are significantly minimized. Trimming of the tinned ends is now unnecessary; a very important feature on small solder-pads.
2. **Heavy PolyNylon enamel:** Prevents tin back flow. Heavy enamel (double built) makes the wire stronger in the mounting process and towards abrasion in general. Furthermore, the nylon topcoat is more resistant to chemicals than the first layer: The polyurethane.
3. **Silver plating:** Easier to solder than pure copper, so although the wire is covered with a double build enamel, it is just as easy to solder as traditional single-covered polyurethane wires. A side effect of the silver plating is the very bright colors.