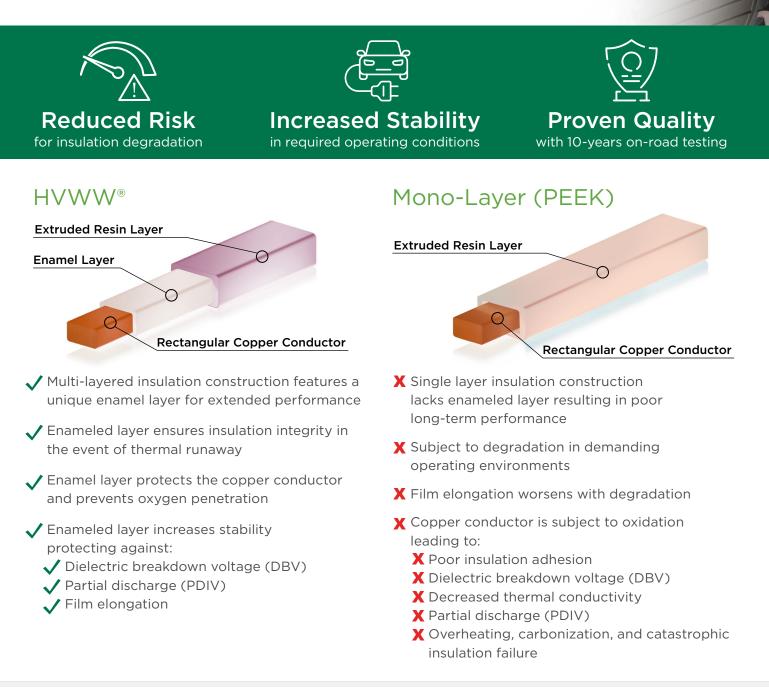
# High Voltage Winding Wire (HVWW®) Outperforms Mono-Layer (PEEK) for EV Applications

HVWW<sup>®</sup> features a unique product construction of heat-resistant enameled copper wire over which an extruded resin layer is added, resulting in a magnet wire product that is highly customizable and unparalleled in performance. For performance and reliability in electric vehicle applications, the choice is clear.





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# High Voltage Winding Wire (HVWW<sup>®</sup>) **Exceeding Expectations**

Essex Furukawa offers a HVWW® product designed for use in the automotive industry. Our technology benefits customers demanding lighter weights to achieve smaller and more efficient traction motors.

High voltage creates high heat. In the electric vehicle industry, heat resistance, flexibility and repeated stress are ongoing obstacles to magnet wire performance. Our engineers accepted the challenge to perfect every design element for an exceptional product.

### **Highly Customizable**

Designed to meet specific customer requirements with tight tolerances and no room for imperfections. Varieties of thickness in height and width allow for implementation within new and existing motor technology.

### **Highly Flexible**

A highly flexible design improves the installation process. This also enables new design innovation otherwise not possible with more rigid materials. The malleable rectangular shape fills any gaps, leading to higher power and torque.

## **High Temperature**

The extruded outer layer provides excellent heat resistance and reliability. The unique design can run at a constant temperature of 240°C without any reduced performance. Allows for high voltages of over 1000V without partial discharge (PDIV).

## **Reduced Carbon Impact**

HVWW® is the best choice for customers looking to reduce their carbon impact. Both the production process and material construction result in fewer carbon emissions.\*

Essex Furukawa is committed to lessening our own carbon footprint through a holistic sustainability initiative, Vision 2030.

\*As compared to traditional enameled magnet wire





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