

E-MOBILITY SOLUTIONS

Cell-to-Cell (C2C) Connectivity Solutions

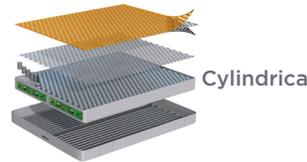
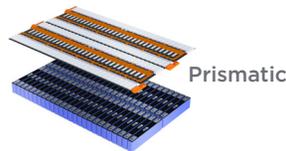
Delivering scalable, customizable connectivity for tomorrow's xEV battery architectures



At TE Connectivity (TE), we collaborate with leading xEV manufacturers and battery developers to design and manufacture next-generation cell-to-cell connectivity solutions. From early-stage design to full-scale production, we bring deep engineering, simulation, and process expertise to cylindrical, prismatic, and pouch cell formats.

Our global capabilities span research, prototyping, and automated assembly, enabling flexible, cost-efficient system architectures. Whether you're developing cell-to-pack designs or targeting optimized thermal, sensing, or weight outcomes, TE can help you move from concept to production, faster and with greater confidence.

Flexible, platform-based solutions with customizable C2C architectures across common EV cell formats



BENEFITS

- **End-to-end support:** concept, simulation, prototyping, and global manufacturing under one roof
- **Customizable platforms:** modular C2C designs for all major battery formats & chemistries
- **Integrated systems:** current collectors, sense lines, & battery management system connectivity combined into a single unit
- **Scalable production:** clean-room and automated lines in Hungary, Germany, & China
- **Cost & weight optimization:** streamlined designs that are aimed to reduce cost and weight
- **Proven success:** in series production for major OEM battery platforms
- **Ongoing R&D:** specializing in flexible, additive, & hybrid sense line technologies, thermal event protection, & tolerance compensation
- **Automation-ready:** our solutions are designed to be compatible with automated assembly and high-volume production targets

REASONS TO WORK WITH TE

Full lifecycle partner – we offer end-to-end support from concept through production with global design, prototyping, and manufacturing capabilities.

Engineering-driven innovation – deep expertise in materials science, simulation, and automation enables optimized, manufacturable designs

Aligned with EV battery trends – our solutions address cost, weight, thermal management, and evolving battery formats like cell-to-pack and cell-to-chassis

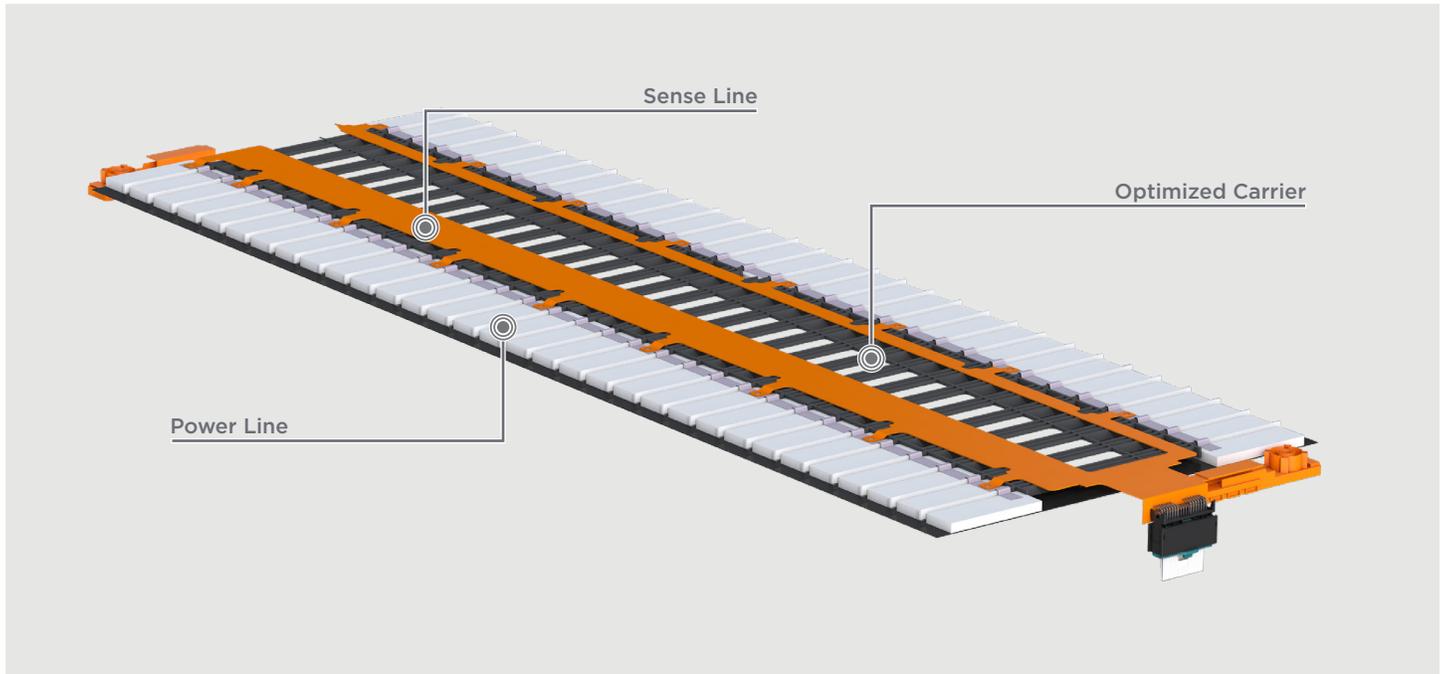
FOR MORE INFO

- Visit te.com/c2c, scan the QR code, or contact your sales representative



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POWER. SENSING. STRUCTURE. ENGINEERED AS ONE

A high-performing cell-to-cell solution is more than just a connector — it's an integrated interconnection system. TE designs and manufactures the three critical elements that define electrical efficiency, monitoring accuracy, and structural integrity.

ROBUST POWER LINE

- High-performance current collection, engineered from the design of the cell sheets to their manufacturing
- Electro-thermal simulation to ensure minimal material usage
- Efficient, high-speed stamping processes tailored to the needs of aluminum cell sheets
- State-of-the-art cleaning post-stamping to ensure weldability

INNOVATIVE SENSE LINE

- Concepts using FFC, FPC, PCBs, and combinations
- Voltage and temperature sensing tailored to an automaker's requirements
- Applications of NTCs or PTCs on the cell sheets or directly onto the cell itself
- Miniaturized solutions for inside-device electronics connectivity for battery management systems
- FFC/FPC connectors that can be soldered, welded, crimped, or pierced

OPTIMIZED CARRIER

- Reduced material usage to achieve a lower CO₂ footprint
- Molded, laminated, or carrierless systems can be engineered
- Minimizing the weight of the system contributes to extended vehicle range
- TP protection through the use of suitable materials

Whether your battery architecture is cylindrical, prismatic, or pouch, our integrated design approach delivers optimized material usage, scalable automation, and reliable performance.

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