Molex has developed a total solution for large-scale portable power distribution that is built to last and ultimately delivers a lower total cost of ownership.

**BUSINESS CHALLENGE**

When setting up a portable power delivery system for temporary indoor/outdoor applications, electricians would typically cobble together a system of disparate parts from multiple vendors that was not inherently safe.

Because of the temporary nature of these applications, products for portable power should be designed to survive significant handling and transportation. For safe and reliable use in outdoor environments, they should also be able to withstand inclement weather and potentially caustic substances.

Up to this point, this has not been the case, as the marketplace has primarily offered painted steel power boxes that are susceptible to cracks, dents and rust, and ultimately for the customer a less secure connection and a potential liability concern. Because of these limitations, power boxes and associated wiring devices have come to be viewed as somewhat temporary, disposable products and, in turn, have led to more downtime and administrative hassle, requiring more frequent reordering of products from multiple suppliers.

Molex addressed these shortcomings by developing a total-solution product line that is more robust, reliable and safer than any other solution in the marketplace.

**SOLUTION**

A complete portable system that safely distributes power and delivers unprecedented durability.

All components of the Molex Super-Safeway Portable Power System are made with vulcanized rubber, providing exponentially better durability, safety protection and weather resistivity than competitor offerings. The 100% rubber construction of the boxes makes them resistant to shock, impact and corrosion and lighter in weight for easy transport. Rubber Super-Safeway Outlet Boxes yield better performance against abrasion, chemical exposure and temperature extremes compared to standard, painted steel power boxes.

To ensure a balanced AC current load between phases and reduce the risk of a power outage, Power Distribution Boxes employ dual-identifier color-coded and numbered circuit breaker identification. UL-certified in both the U.S. and Canada, the boxes are Type 3R weather resistant for safe and reliable use in outdoor environments. Sturdy aluminum legs keep electrical components six inches above ground level to achieve NEC regulatory compliance.

To mitigate risks of slips and falls over cables being run from the source to the application, Molex offers Safeway Cable Protectors as part of the complete Super-Safeway Portable Power System solution. Safeway Cable Protectors feature a heavy-duty polyurethane construction capable of withstanding loads in excess of 16,000 pounds per tire, an exclusive non-slip tread pattern, and a five-channel design able to accommodate up to 3.175cm (1.625") diameter cables.

With Molex able to supply an entire portable power distribution system and all accessories, customers can simplify their supply base and minimize administrative costs. The superior quality and durability of the Molex Super-Safeway Portable Power System maximizes reuse and ultimately leads to a lower total cost of ownership.

This system is intended for contractors, festival organizers, disaster relief organizations, or anywhere that portable power is needed, especially when outdoors in the elements.
**KEY BENEFITS**

A complete portable power distribution system and accessories with unprecedented durability.

- Vulcanized rubber components built to outlast comparable painted steel boxes
- Type 3R weather resistant for safe and reliable use in outdoor environments
- Power boxes are lightweight, have a handle for easy carrying and legs allow boxes to be stacked
- Circuit-breaker identification helps users balance AC current loads equally between phases
- With all portable power distribution system components offered by a single source, a simplified supplier base can be achieved