

# HIGH VOLTAGE ROOFLINES

## APPLICATION GUIDE

### HIGH VOLTAGE SOLUTIONS

TE Connectivity solutions for high voltage applications enable the optimized interaction and inter-operability of various rail approved high voltage components such as polymeric insulators, vacuum circuit breakers, inter-car jumper cables, and surge arresters. To help ensure the optimized performance of the high voltage components as they work together, TE offers system solutions to focus on the functionality of the system and not only on the components.

Explore solutions at: [te.com](https://te.com)



[Polymeric Insulators](#)



[Vacuum Circuit Breaker](#)



[Cable Assemblies](#)



[Inter-Car Jumper Cables](#)



[T-Connectors](#)



[Surge Arresters](#)



[Busbars](#)



[HV Connectors](#)



[Current Transformers](#)

## ONE-STOP-SHOP FOR HIGH VOLTAGE DESIGNS

The roofline system is a complementary combination of high voltage components typically required for installation between the pantograph and the transformer as well as between rail cars. TE is your trusted partner for system solutions, service solutions and component supply, allowing you to keep focus on increasing safety, brand recognition and cost reduction.

### A SOLUTION PROVIDER FOR ROOFLINE SYSTEM PROJECTS

Our service capabilities include:

- Risk analysis of new and existing HV systems
- Customer-specific analysis of system design and optimization
- Theoretical and practical verification and testing
- Recommendations for system and component lifecycle management
- Initial delivery customization during the first deliveries of HV projects
- Availability of system experts for installation
- Education and collaboration with your team
- Repair and maintenance centers for circuit breakers



### GLOBAL MANUFACTURING FOOTPRINT

With decades of experience in the rail industry, our history and reputation make us a partner you can rely on. Our global footprint allows us to offer worldwide coverage with fully equipped TE manufacturing plants including 100% high voltage testing in Faraday cages. Connect with us today to see how we can enable your high voltage designs and keep you on track with industry trends.

### GLOBAL SUPPORT NETWORK

From design and assembly to installation and maintenance, TE is engaged and invested in your success. Our worldwide network of expert engineers offer service before and after the sale. No matter where you are, you can rest assured that TE will be there to help with technical hurdles and design challenges.

**te.com**

© 2020 TE Connectivity. All Rights Reserved.

TE Connectivity, TE connectivity (logo) and Every Connection Counts are trademarks owned or licensed by TE Connectivity. All other logos, products and/or company names referred to herein might be trademarks of their respective owners.

While TE has made every reasonable effort to ensure the accuracy of the information in this brochure, TE does not guarantee that it is error-free, nor does TE make any other representation, warranty or guarantee that the information is accurate, correct, reliable or current. TE reserves the right to make any adjustments to the information contained herein at any time without notice. TE expressly disclaims all implied warranties regarding the information contained herein, including, but not limited to, any implied warranties of merchantability or fitness for a particular purpose. The dimensions in this catalog are for reference purposes only and are subject to change without notice. Specifications are subject to change without notice. Consult TE for the latest dimensions and design specifications.

7-1773983-8 07/20 AK