



We Deliver the Power™

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PowerPARTS™
Wiring Devices

Thumbs-up for Lex-Loc™ Cage Clamp Wiring Device!

Lighting Company is Ready to Do Battle ...Armed with Lex's Award-Winning Product.

Ever pulled an all-nighter because a job absolutely had to be done on time? Maybe not since college, but that's exactly what **Premier Production Services, Inc.** a theatrical lighting company based in Harrisburg, Pennsylvania, was expecting to do for their customer. "Our customer had a tight window of time for the lighting installation which basically made it a quick turnaround, next-day job," said Premier's owner Peter DiBacco. "We had three electricians ready to do the work, right through the night if necessary."



Premier was installing lighting as part of a \$9 million restoration project on the Gettysburg Cyclorama, a 360° in-the-round venue with an elevated viewing platform for visitors to view a cylindrical oil-on-canvas painting and lighted diorama of The "Battle of Gettysburg," the climactic battle of the Civil War. The Gettysburg Cyclorama is 359 feet in circumference, 27 feet high and weighs 3 tons. One of the last surviving cycloramas in the U.S., the restored Gettysburg Cyclorama creates a three-dimensional experience by surrounding the viewer—and represented a demanding lighting project for Premier.

The installation involved 560 instruments, 4,000 feet of SJ cord and making 313 jumpers with wiring connectors on each end. Premier might have turned to industry-standard stage pins for the installation. However, in this instance, the customer requested straight-blade Edison connectors that met the standards of the National Electrical Manufacturers Association (NEMA) for theatrical lighting and other industrial applications.



(L-R): Ben Coleman (Chief Lighting Designer), Rocco DiBacco (VP of Operations), and Peter DiBacco (President).

Premier had experience with Edison connectors, but Peter DiBacco was concerned about the design of the wiring device, given the magnitude of the Gettysburg Cyclorama job and the short installation time available. The Edison connectors involve two screws holding the body together, three more screws for internal wiring and sometimes even more screws for the shell. Using the Edison connectors would require physically making cable as well as plenty of time-consuming loosening and tightening of screws.

Premier Production Services, Inc. had recently learned of a new, innovative wiring device called Lex-Loc™ from Lex Products Corporation, headquartered in Stamford, Connecticut. The Lex-Loc devices, which meet NEMA configuration standards, have unique terminals that overcome potential causes of device failure by using spring pressure that automatically adjusts in order to prevent shifting of wire strands.

This is in contrast to conventional screw terminal wiring devices which are self-loosening over time, as a function of heat, shock or vibration; not being tightened completely when installed; or as a result of a phenomenon called “creep,” a shifting of copper wire strands that allows screws to loosen and terminal temperatures to increase.

In addition to these performance benefits, what also appealed to Peter DiBacco was that the Lex-Loc wiring devices required no tools for insertion and no re-torquing due to the constant clamping force. Lex-Loc offered a patented design using color-coded cam levers to open and close the chambers that accept the conductors, simply using finger pressure. Premier’s electricians would only need to strip the conductor using the molded-in gauge on the device, open the terminal to insert the conductor and then snap the cam lever closed. The Lex-Loc connectors provide funnels to aid in wire insertion, a self-centering external cord grip and only two screws, all for faster assembly. Thinking that faster, easier assembly could save a lot of time, Peter decided to give the Lex-Loc fixtures a try.

Premier ordered 1200 Lex-Loc devices that were on site the next day. Installation was equally fast: the electrical technicians simply stripped a wire, inserted it into a connector, turned the cam levers and the connection was complete. “We were able to put ends on those cables faster than anything we’ve ever seen—the Lex-Loc connectors are phenomenal,” said DiBacco. “Instead of the three electricians we’d planned, one electrical technician finished the whole job in half the time we expected. No all-nighter after all.” The estimated 60% savings in labor and time also meant a higher-margin installation for Premier.

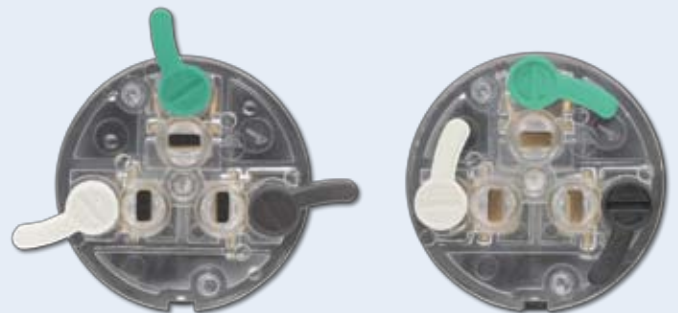
“I’m giving a Lex-Loc sample to one of my electrical contractors. I told him if he’s like us, he’ll never use another connector after he’s tried it.” said DiBacco.

Lex-Loc™ Features & Benefits



This revolutionary design, which meets NEMA configuration standards, utilizes color coded cam levers to open and close the chambers that accept the conductors. Users simply strip the conductor using the gauge on the device, open the terminal by hand, insert the conductor and close the lever. It’s THAT simple!

- Two fast travel assembly screws further reduce labor
- Long deep wire funnels aid in precise insertion of wires
- All black color blends into scenery for theatrical and motion picture applications
- Prevents overheating and device failure due to loose terminations
- Saves installation time; eliminates the step of opening / closing terminals with a screwdriver
- Beefy external cord clamp with inserts for smaller cords, provide excellent strain relief
- Patented design ensures a perfect electrical connection every time



**All cam levers open,
ready to accept stripped
conductors.**

**All levers are closed,
prior to assembly.**

Terminal Identification: Lever colors identify hot (black), neutral (white) and ground (green).