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COMPANY PROFILE

Protect Yourself Miller Safety Consultants — A Leader in Arc Flash Protection BY VINCENT MILLER

COVER STORY

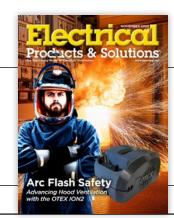
Arc Flash Safety Advancing Hood Ventilation with the OTEX ION2 BY VINCENT MILLER

DEPARTMENTS

- **14** INDUSTRY NEWS
- **22** NEW PRODUCTS
- **32** AD INDEX



Photo courtesy of Miller Safety Consultants



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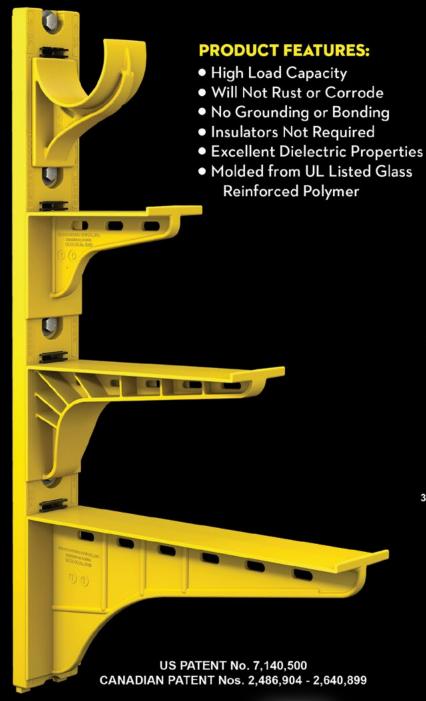




The Heavy Duty Nonmetallic CABLE RACK DESCRIPTION OF THE PROBLEM OF THE PROBLEM



For Power and Communications Manholes And Vaults







HDL Arm Lock shown with RA04 Arm and CR36-B Stanchion



3HDS - 3" throat saddle shown with a cable secured by cable ties.



cables secured by cable ties.

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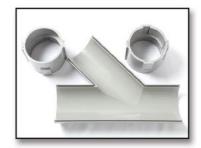
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Protect Yourself

Miller Safety Consultants — A Leader in Arc Flash Protection

Vince Miller started Miller Safety Consultants, a veteran owned business in 1999. The goal of the business was to provide cost effective safety consulting, employee training such as: confined space entry, fall protection, electrical safety and provide sales of electrical shock and flash protective equipment and fall protection equipment to businesses in the Washington DC area.

protection products and much of the sales and training was on behalf of the supplier. In 2000, the owner decided to retire from his business, and Vince decided to discontinue the fall protection line of his business and concentrate more in the electrical training and products.

Vince had been a distributor for Certified Insulated Products (CIP), a manufacturer of electrical insulated tools and electrical arc flash clothing manufactured by Otex in Rochester, New York. As a distributor, Vince provided sales through his internet website and much through relationships with electrical contractors. His training was a classroom environment and was provided directly to customers but he also taught as a sub-contractor for other safety consulting companies and the

Reliance Industries provided fall Chesapeake Safety Council in Baltimore, Maryland. In 2005, Vince partnered with Vivid Learning Systems in Cascades, Washington to provide on-line training in safe work practices.

Training in electrical safe work practices is still provided locally in the Washington DC area and as a partner with an electrical engineering firm and online. The training is based on the Occupational Health and Safety Administration (OSHA) standards and the National Fire Protection Association (NFPA) 70E standard.

Miller Safety Consultants is now a distributor for Cementex USA, Burlington, New Jersey, for insulated tools and equipment and clothing from OTEX Protective, Rochester, New York.

The majority of his sales of products

are from the web-based store. Cementex is nationally known for their quality equipment. Otex Protective is becoming more known for their quality clothing. For years, they have manufactured their products under other provider labels. Vince chose to not create his clothing line, but to sell the manufacturer product.

Vince has worked with many electrical company employees to fine-tune the clothing to be more comfortable for the user. Working closely with the manufacturer, they have made slight changes in how the cloth pattern was modified to meet final production. An example is the lightweight 40 Calorie vented hood offered by Otex.

The material is of the latest technology. The vented assembly is constructed for balance on the back of the hardhat and the airflow is 27 CFM to prevent fogging of the face shield and provide cooling to the worker. It took over a year to develop the product with the user prior to having the hood "flash tested". This product is now standard issue with many electrical

Being a small business and having quality providers has resulted in satisfied customers for Miller Safety Consultants. Being a direct supplier for OTEX Protective, another small business means customized customer needs can be met. \Box

For more information, visit Miller Safety Consultants at: www.electricalsafetysupply.com, email Vince at: sales@millersafetyltd.com.

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(703) 367-0404

or visit our online electrical safety equipment store www.electricalsafetysupply.com







Compact Power and Enhanced Performance

The ION2 ventilator represents the next evolution in OTEX's ventilation lineup, offering a smaller, lighter, and more efficient alternative to the original ION model. Despite its reduced size, the ION2 delivers an impressive airflow exceeding 25 cubic feet per minute (CFM)—a significant achievement in maintaining clear vision and breathable comfort inside the hood. The unit's adjustable speed control allows wearers to fine-tune airflow to their preference or environmental conditions, improving adaptability across diverse work settings.

Weighing just one pound, the ION2 is notably lighter than its predecessor, reducing strain on the wearer and enhancing mobility during extended use. Its integrated rechargeable battery supports more than eight hours of continuous operation at maximum speed and nearly 24 hours at lower settings, providing reliable performance across a full shift or longer.

Charging is straightforward thanks to a conveniently located port on the unit, while a three-stage light indicator clearly communicates: Blue-power on; Green-full charge; Red-Power low charge levels-ensuring users always know when to recharge. The battery is also rated for approximately 500 charge cycles and can be easily replaced if necessary, reinforcing OTEX's commitment to product longevity and sustainability.



Designed for Efficiency and Compatibility

Although the ION2 is a compact redesign, OTEX engineered it with backward compatibility in mind. For users upgrading from the original ION, an optional base adapter allows seamless integration into existing setups. This consideration not only supports fleet consistency but also offers a cost-effective upgrade path for contractors and maintenance teams already invested in OTEX ventilation systems.

The ION series remains among the most powerful ventilator lines in the industry. The original ION1 model, powered by a Milwaukee M12 rechargeable battery pack and receiver, continues to serve electrical contractors across service and construction environments. The ION2 complements this lineup, offering a lighter, selfcontained alternative that emphasizes

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Our patent pending design is built for worker safety and comfort. The molded polyurethane block coupled with a fiberglass handle and rubber handgrip, provides a cushion for every blow. The positioningshoe offers stabilization through the strike. Built with a concave-arch bottom... because sometimes you need to, Knock'er-off.

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portability and extended runtime without sacrificing airflow performance.

Intelligent Safety with Arc Flash Integration

Both the ION and ION2 ventilators can be equipped with OTEX's optional arc flash sensor, a smart safety feature that automatically shuts off the fan during an arc event. This prevents the introduction of contaminated or toxic air into the hood, protecting the user's breathing zone in the critical moments following an arc flash. By integrating this responsive safety control, OTEX reinforces its focus on worker protection that extends beyond impact and thermal resistance to include air quality and breathing safety within the hood.

Real Benefits in the Field

The practical advantages of effective hood ventilation are substantial. A continuous flow of fresh air reduces carbon dioxide buildup, helping users

personnel to perform safely and efficiently in challenging environments.

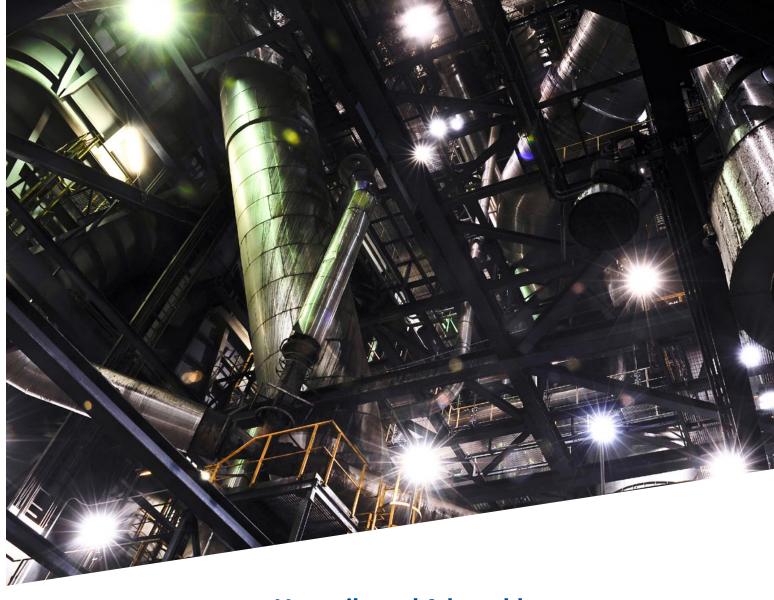
From a cost perspective, the ION2's rechargeable design eliminates the need for disposable batteries, reducing long-term operating expenses. Extended battery life, combined with improved airflow and user comfort, translates into measurable productivity gains for professionals working in high-risk, high-performance settings.

Continuing a Legacy of Innovation

With the ION2, OTEX Manufacturing demonstrates how incremental innovation in design and power

management can yield significant realworld results. The unit's combination of compact form, intelligent safety features, and superior airflow performance underscores OTEX's role as a trusted partner in electrical safety technology.

As arc flash protection standards evolve, OTEX continues to deliver solutions that not only meet compliance requirements but also enhance the wearer's experience and efficiency. The ION2 ventilator stands as a clear example of this philosophy—proof that in high-stakes environments, comfort and safety can advance hand in hand. •





Appleton™ IJL LED Series Luminaires

Versatile and Adaptable Illumination for Any Environment

Appleton™ IJL LED Luminaires by Emerson are the premier jelly jar LED luminaires for industrial locations that offer versatile and adaptable illumination. With user selectable technology, they allow users to choose from a range of correlated color temperatures (CCT) and/ or lumen outputs. Our engineers have developed specially designed optics that provide optimal light distribution - including uplight. The IJL LED Luminaires offer multiple mounting options such as wall, ceiling, and pendant, with an adjustable arm that allows precise rotation in 10° increments from 0° to 90°.

Learn More at: www.masteringled.com





National Lutheran Communities & Services turns to Siemens for **NFPA70B Compliance**

Customer Story

National Lutheran Communities & Services (NLCS) is a leading provider of retirement communities and in-home care services. Through a long-standing partnership with Siemens, NLCS enhanced its facilities with cuttingedge design-build/retrofit solutions and data-driven optimization of building automation, fire/life safety, mechanical, and security systems—ensuring comfort, safety, and operational efficiency.

After experiencing a pipe burst at one of its assisted living facilities, NLCS took swift action to strengthen its risk management strategy – prioritizing proactive measures to safeguard critical infrastructure—including electrical distribution systems. With the 2023 update to NFPA 70B, which shifts from a recommended practice to a mandatory standard for electrical equipment maintenance, NLCS recognized the need to better understand and comply with new testing and maintenance requirements. This raised concerns about potential vulnerabilities and underscored the importance of partnering with experts to ensure safety, reliability, and regulatory alignment.

Consequently, Siemens and NLCS collaborated to develop and implement a comprehensive electrical services and maintenance solution—addressing these concerns and helping ensure their communities remain safe and operational for employees, residents, and their families.

Electrical Service Solution

FPA 70B Site Survey (two locations) Siemens conducted a NFPA 70B Site Survey across two NLCS locations. They tested all key electrical distribution equipment and used the resulting data to build a robust Electrical Maintenance Program (EMP)—a critical step toward achieving full NFPA 70B compliance and long-term operational resilience.



Arc Flash Hazard Analysis

This involved a detailed analysis of facility's electrical system to identify potential arc flash hazards of all key equipment, recommending appropriate safe distances, and personal protective equipment (PPE) required to inspect or service equipment.

Additional Projects Planned

- All locations communicating with Siemens DSC
- Expanding to three communities and added a new one
- Turnkey installation of EV Chargers

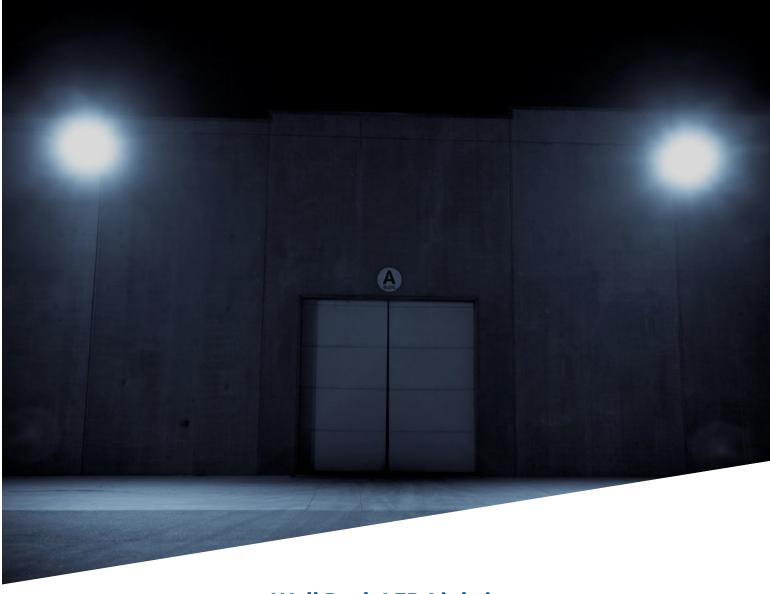
- Meter Upgrades for energy management
- Spare Breakers for additional resiliency / uptime

Benefits of a Comprehensive Electrical Program:

- Resident and employee safety
- Regulatory compliance and demonstration of industry best practices
- Improved reliability
- Extended equipment lifecycle
- Reduced capital replacement costs 🗆

"Working with Siemens has significantly enhanced the safety and reliability of our facilities. As a result, we have experienced increase efficiency, greater peace of mind, and improved lifecycle planning across all our locations."

- Craig A. Wagoner





IWL LED Series Luminaires

Wall Pack LED Lighting for Industrial Facilities

The Appleton™ IWL LED Series Luminaires by Emerson are designed to provide safe illumination at outdoor entrance doors and along the exterior of commercial and industrial facilities. Three models — each with three field selectable wattages (lumen outputs) and three field selectable color temperatures — ensure the perfect configuration for your unique application requirements. Improve employee safety and security with the IWL's bright, cost-efficient illumination.

Learn More at: www.masteringled.com





Robroy Industries Raceway Division Promotes Chris Caldwell to National Sales Manager

obroy Industries Raceway Division has announced the promotion of Chris Caldwell to National Sales Manager, a culmination of more than two decades of service to the company.

Caldwell, who joined Robroy 21 years ago, has been instrumental in shaping the Raceway Division's modern sales organization. Throughout his tenure, he has been dedicated to building and strengthening customer relationships, helping Robroy earn a longstanding reputation for delivering quality, peoplefirst customer service.

In his new role, Caldwell will oversee all aspects of the Raceway Division's national sales strategy. By guiding a growing team of professionals across business development, project sales, and channel management, and advancing the implementation of Sales Process Engineering (SPE), he will contribute to the company's overall goal of driving scalable growth.

"Chris has consistently demonstrated the kind of leadership and strategic focus that define Robroy," said Steve Voelzke, President and COO of Robroy Industries. "He has an exceptional understanding of our customers, our partners, and the market. His ability to lead with integrity, prioritize relationships, and translate strategy into action makes him the ideal person to guide our sales organization into its next chapter of growth."

Caldwell's promotion comes as part of Robrov's long-term leadership



CHRIS CALDWELL NAMED NEW **NATIONAL**

SALES MANAGER

"CHRIS HAS CONSISTENTLY DEMONSTRATED THE KIND OF LEADERSHIP AND STRATEGIC FOCUS THAT DEFINE ROBROY." -STEVE VOELZKE, COO & PRESIDENT



strategy to ensure stability and continuity across its commercial operations. The move also supports the growth of the sales team, which includes several new roles focusing on generating demand, optimizing sales process effectiveness, and providing strategic insights into an ever-changing market.

"Robrov has always stood for

innovation, reliability, and trust," Caldwell said. "I'm proud to continue that legacy and to lead a team that shares those values. Together, we're focused on deepening customer partnerships, driving demand through smarter processes, and creating solutions that protect our customers from failure. That's what Robrov has always done best."

ABOUT ROBROY INDUSTRIES

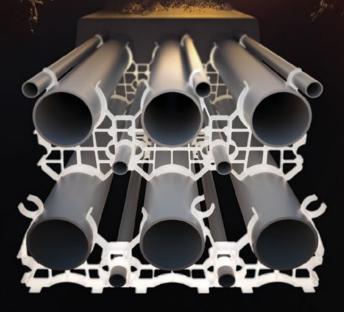
Founded in 1905, Robrov Industries has been a trusted leader in the electrical products market for over a century. We specialize in manufacturing high-quality products with unmatched performance, including PVC-coated and stainless steel conduit and fittings, sanitary support systems, non-metallic enclosures, galvanized elbows, couplings, nipples, and the original Korns clamps. Our commitment to excellence is built on core values of achievement, balance, appreciation, and trust, and



our fourth-generation family ownership makes us truly one of a kind. Our brands—Plasti-Bond, Perma-Cote, Stahlin, AttaBox, Robrov Stainless, Rocket Rack, and ECN/Korns—are recognized for their innovation and reliability in serving diverse industries. With a proven past and a vibrant outlook, Robroy Industries continues to lead the way in delivering superior electrical products and solutions. For more information, visit www.robroy.com.

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LEDVANCE Welcomes Scott Buckley as New Head of Marketing for the U.S. and Canada

EDVANCE is pleased to announce the appointment of Scott Buckley as Head of Marketing for the U.S. and Canada. In this role, Scott will lead all marketing strategy and execution across the region, with a focus on enhancing customer engagement, driving growth, and advancing the company's brand presence in the lighting industry.

Scott brings more than two decades of marketing leadership experience and a deep commitment to understanding customer needs and turning insights into action. With a proven track record of driving growth, leading high-performing teams, and keeping the customer at the center of every decision, he will play a key role in strengthening how LEDVANCE connects with its partners and the market.

"Scott's experience and customer-first mindset make him a strong addition to our leadership team."

- Jonathan Lubeck, CEO of LEDVANCE U.S, and Canada

"Scott's experience and customer-first mindset make him a strong addition to our leadership team," said Jonathan Lubeck, CEO of LEDVANCE U.S. and Canada. "As LEDVANCE continues to evolve as a leader in innovative lighting



solutions, his strategic perspective and collaborative approach will help us continue to elevate our connection with customers and partners across the US and Canada."

"I'm excited to join LEDVANCE at such a dynamic time for the lighting industry," said Scott Buckley, Head of Marketing, U.S. and Canada. "LEDVANCE has a strong reputation

for innovation and customer focus, and I look forward to working with this talented team to build on that foundation and deliver even greater value to our customers and partners."

LEDVANCE continues to strengthen its leadership team as part of its ongoing commitment to driving innovation, customer experience, and market growth across the U.S. and Canada.

ABOUT LEDVANCE

LEDVANCE is one of the world's leading general lighting companies, offering a wide range of LED luminaires, advanced lighting solutions, and smart lighting products. With deep expertise in lighting technology and a focus on quality, reliability, and sustainability, LEDVANCE serves customers in more than 140 countries. For more information, visit www.ledvance.com

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IP19

New Products 4-Conduit Block Safer Better Faster

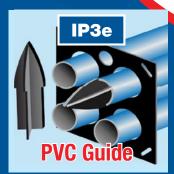
one 1/4", 3/8" or 1/2" threaded or threadless rods 1/4" or 3/8 threaded holes on the side along with slots for hex head bolts for hardware are

IP21a

Owik Block

Vertical support from only one 1/4", 3/8" or 1/2" threaded rod by attaching two machine screws 1/4" x 20 thru the center KO on box and traditional nut and washer method to support a single box.

as well as 4 threaded 1/4" or 3/8" holes for conduit













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NSI Industries Announces Flynn & Reynolds Agency as New Northeast Representatives

Tewksbury, Mass.-Based Agency Will Represent Brands Including Bridgeport, Polaris, TORK, and Metallics in the Upstate N.Y, Conn., R.I., Mass., VT, N.H., and Maine Territory

SI is proud to announce that it has partnered with Tewksbury, Mass.based Flynn & Reynolds Agency, Inc. to represent its electrical division brands including Bridgeport, Polaris, Tork, and Metallics in the Northeast territory, effective Nov. 24, 2025.

"The upstate New York and New England region is continually growing and becoming increasingly important for our electrical division brands," said Keith Babcock, NSI regional vice president. "As such, we needed a partner that knows the market and its customers intimately in order to help us gain and even stronger foothold there. Also, as part of NSI's continued commitment to One Pledge, which simplifies and streamlines how we serve our customers, we are pleased to announce the Flynn & Reynolds Agency as our ideal partner, and we

"NSI has built a very strong electrical brand division, and we are excited to be a part of the company's strategic growth plan,

- Bryan Lally, president, Flynn & Reynolds Agency



look forward to working with them."

Babcock added that this change allows NSI to enhance consistency, simplify order processing, and strengthen its commitment to timely shipments and responsive service. The Flynn & Reynolds Agency brings deep experience and dedication to supporting NSI's distributor network, making it even easier for customers to do business with NSI.

The Flynn & Reynolds Agency has a 45 year history and culture of driving demand for the manufacturers they represent and providing distribution with the support needed for successful outcomes. Their growth in New England and now upstate N.Y. continues with the addition of NSI to

their portfolio of products.

"NSI has built a very strong electrical brand division, and we are excited to be a part of the company's strategic growth plan," said Bryan Lally, president, Flynn & Reynolds Agency. "Our customers demand nothing but the best as the northeast has historically required products that both last, and manufacturers that always back their products. Bridgeport, Polaris, Tork, and Metallics represent these values, and we look forward to representing them."

For more information, please visit www.nsiindustries.com or call 800-321-5847. For more information on The Flynn & Reynolds Agency, please visit www.flynn-reynolds.com or call 978-454-1098. **□**

ABOUT NSI INDUSTRIES, LLC

NSI's core philosophy is Making Connections. Focused on the electrical, building technology, and HVAC markets, NSI connects distributors to products, services, and technologies by providing a fresh perspective and caring approach that drives smart solutions. The driving force behind a stable of market-leading brands and a large breadth of products, the company's primary job for more than 45 years has been to fulfill the needs of distributors and their customers. By staying grounded in the principles of service and value, NSI continues to deliver high-quality, industryadvancing, and comprehensive product solutions that enable growth. NSI has many well-respected brands, including Bridgeport Fittings®, Polaris® Power Connectors, TORK®Timers and Controls, WarriorWrap® Professional Tape, TERMINATOR™ Premium Wire Connectors, RHINO Safety™, Platinum Tools®, TechLogix Networx, Metallics™ Fasteners, Remke Industries, ENET, and Lynn Electronics. For additional information about NSI Industries and our family of brands, visit www.nsiindustries.com.





NodeFLEX® Bendable Cable Assembly

As a multi-system operator (MSO), do you ever find yourself forgetting a certain node cable for an aerial, underground or pedestal mount application? The installation process can be a bit complex as these applications tend to use different cable nodes. For example, a hybrid fiber-coax node for an aerial application uses a particular cable that would go straight into the box. However, when installing a fiber splice closure for an underground application, the node cable would need to be routed from the ground into the box at a 90° angle.

Customers began to question why a node cable suitable for both applications did not exist. Based on this customer feedback, AFL designed the NodeFLEX® Bendable Cable Assembly to simplify and consolidate the process for service providers. "The same NodeFLEX cable assembly can be used in a pedestal mount or in an

aerial application," says Jake Adams, associate product line manager at AFL. This product allows technicians to only carry one type of node cable that addresses aerial and below-grade installations.

One of the unique features of the NodeFLEX is its bendable boot. "Whereas other node cables either come with the straight fitting or 90° fitting, our NodeFLEX Cable Assembly is bendable, so it can be both a straight fitting, 90° fitting or anything in between," says Adams. The boot continues hold its shape after it's bent, further establishing the NodeFLEX's adaptability to its environment.

Ordering complexity and inventory is also simplified as the NodeFLEX is one product that functions as both a straight and 90° fitting used in multiple applications. One product helps technicians maximize their time in the field since they aren't taking as many trips back and forth to the warehouse for different parts.

> For more information, visit www.AFLglobal.com



M Series Outdoor Fixtures

The M Series product family is a complete outdoor lighting portfolio in one family providing superior photometrics and design continuity. A singular housing thrives as either an Area, Flood or Wall fixture depending on the optics and mounting selected. The family offers both CCT and wattage selectability as well as changeable/rotatable lenses enabling the customer to enhance and customize their application. It also includes a controls ready

> c-Max receptacle that allows the customer to choose from and field install the full menu of c-Max control nodes. Twist lock receptacles can also be installed allowing the use of other control nodes. Beyond the standard features, additional options and accessories include high voltage (277-480V), battery backup, visual comfort lens, back light shields and

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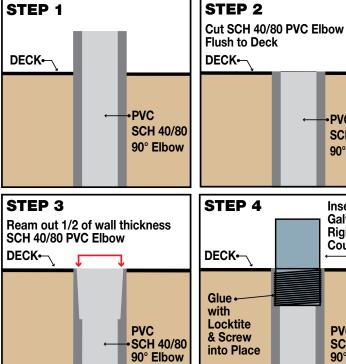


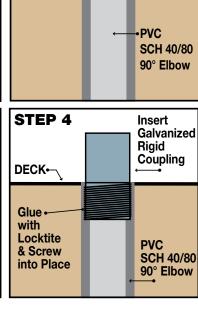
at Least



Trans	ition Couplings
Size	Catalog #
1/2"	50-PVC-R-GRC
3/4"	75-PVC-R-GRC
1″	100-PVC-R-GRC
1-1/4″	125-PVC-R-GRC
1-1/2″	150-PVC-R-GRC
2″	200-PVC-R-GRC
2-1/2″	250-PVC-R-GRC
3″	300-PVC-R-GRC
3-1/2"	350-PVC-R-GRC
4″	400-PVC-R-GRC
5"	500-PVC-R-GRC
6"	600-PVC-R-GRC

All Above Meet UL651 CSA C22.2, No.85 and US Army Corps Engineers





Customer must satisfy all codes and owners' specifications.









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Scepter® Schedule 40 and **Schedule 80 Rigid Conduit**

Scepter® Schedule 40 and Schedule 80 FT-4 rated rigid PVC electrical conduit is the go-to choice for indoor and outdoor electrical installations, offering



versatility and reliability for professional electricians. Designed for various applications, including exposure, concealment in walls, encasement in concrete, or direct burial, Scepter conduit and fittings provide a comprehensive solution. PVC conduit significantly reduces labor compared to metal, offering up to two-thirds reduction in installation time. Featuring fire-resistant properties, the Scepter conduit ensures safety in electrical installations with a self-extinguishing material that withstands combustion and protects conductors. Non-conductivity eliminates dangerous faults, providing a complete and positive ground for the entire system. Scepter conduit complies with rigorous standards and certifications, making it suitable for various applications, including utilities, residential buildings, and industrial facilities.

> For more information, visit www.Ipexna.com



LEDVANCE Expands PHASE EV™ Lineup with New 80 amp Level 2 Commercial Charger

LEDVANCE, a global leader in lighting and energy solutions, today announced the North American availability of its new PHASE EV™ 80 Amp Level 2 Commercial Charger, the latest evolution in its growing EVSE portfolio. Building on the success of the PHASE EV™ Gen 2 (48 amp) release earlier this vear, the new 80 amp model delivers nearly 20 kW of output power, offering faster, smarter, and more flexible charging for fleet, workplace, and multi-unit residential environments.

"The 80 amp model represents the next leap forward for LEDVANCE as we expand into higherpower commercial applications," said Erich Bockley, EVSE Product Manager at LEDVANCE. "It carries

over all of the proven benefits of our 48 amp charger reliability, durability, and intuitive operation while boosting power capacity to 19.2 kW and supporting multiple mounting and connectivity options to fit any installation."

Built for Commercial Performance

The PHASE EV™ 80 Amp Level 2 Commercial Charger is designed to meet the rigorous demands of property owners, fleet operators, and electrical contractors who require scalable and future-ready EV infrastructure. Key features include:

- 19.2 kW maximum output for faster turnaround and reduced dwell time
- Selectable output settings (8–80 A) to match available site power and load-management strategies
- 4.3-inch multilingual touch display (English, French, Spanish) for intuitive operation
- Built-in Wi-Fi and Ethernet connectivity, with optional 4G module and ISO 15118 Plug & Charge support
- Optional NFC Reader for contactless tap-and-charge payments (Apple Pay®, Google Pay®, EMV® L1/L2 compatible)
- Rugged NEMA 4 / IP65 enclosure with IK08 impact protection, for indoor or outdoor installations
- Flexible mounting options, including single or dual pedestal setups with optional cable management systems
- ENERGY STAR® certified for energy efficiency and sustainability

Smart Charging Meets Seamless Management

Fully compatible with Open Charge Point Protocol (OCPP 1.6J / 2.0.1), the PHASE EV™ 80 Amp charger is pre-configured for the ChargeLab Charging Station Management System (CSMS), providing:

- Real-time monitoring, revenue collection, and remote diagnostics
- Load-balancing and demand management across multiple chargers
- User authentication via RFID, QR code, app, or Plug & Charge mode
- Over-the-air firmware updates to ensure long-term system stability

For more information, visit www.phaseev.ledvance.com

Affordable test equipment for 2025



Spitifire - Buried Low Voltage Cable Fault Locator

- ◆ Accurate
- ◆ Proven reliability
- ◆ Easy to use
- ◆ Compact design
- ◆ High energy output ◆ Lightweight

Wayfind'r - Impulse cable tracer

- ◆ Accurate
- ◆ Easy to use
- ◆ Connects directly to ◆ Traces direct buried energized cables
- ◆ Distinct signal for easy tracing
 - and cables in conduit
 - ◆ Rugged, compact design

Impulse Phaser - Cable / phase system

◆ Accurately identifies ◆ Identifies jacketed. cables in trenches, vaults, conduits and enclosures

conductor cables

- even in pipe
- ◆ Accurately identifies ◆ Easy to understand phases in multiand use

shielded, cables,





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All SP Products Inc.
Transition Fittings are manufactured for installation to either meet or exceed in accordance with NEMA TC2, TC3 or UL 651 specifications

PATENT PENDING



1/2" thru 4"

Transition Couplings			
Size	Catalog #		
1/2"	50-LT-EMT		
3/4"	75-LT-EMT		
1"	100-LT-EMT		
1 -1/4"	125-LT-EMT		
1 -1/2"	150-LT-EMT		
2"	200-LT-EMT		
2 -1/2"	250-LT-EMT		
3"	300-LT-EMT		
3 - 1/2"	350-LT-EMT		
4"	400-LT-EMT		









PATENT PENDING PATENTED



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IP13bb

Legrand Launches New PowerHold™ Receptacle Device to Meet Evolving **Needs of Electrical Contractors**

PowerHold helps contractors work faster. smarter and more reliably, without sacrificing safety or quality.

Legrand, a global leader in electrical and digital building infrastructures, has announced the launch of PowerHold™, a revolutionary receptacle designed to meet the growing demand for faster and more accurate electrical installations. Built specifically for

light commercial, hospitality, multi-dwelling unit (MDU) and prefabrication environments, PowerHold is an ideal solution for jobs where labor costs, speed and consistency are critical.

"Legrand understands that efficiency is paramount for contractors — impacting reputation, project deadlines and profitability," said Phillip Hill, product manager for Pass & Seymour®, Legrand. "PowerHold showcases Legrand's commitment to delivering solutions that meet the evolving needs of the modern contractor. Whether on the jobsite or in a prefab facility, this device enables contractors to finish faster, meet tight deadlines and build their reputation for quality installs."

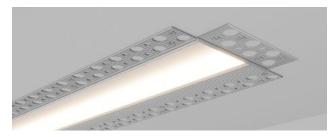
PowerHold benefits for contractors include:

- Speed and efficiency: Significantly faster than conventional methods. PowerHold completes terminations in 10 seconds or less, reducing labor costs and enabling contractors to take on more jobs.
- Error-free installation: With color-coded levers, PowerHold is designed for ease of use and error prevention.
- Superior wire retention: PowerHold has a patented tooth design that boasts a retention force greater than 30 lbs for long-lasting performance.
- Contractor-first design: PowerHold simplifies the installation process by eliminating the need for multiple tools.
- Sleek, Space-Saving Design: Shallower than competitors, PowerHold works well with shallow outlet boxes or managing numerous wires.

For more information, visit www.legrand.us/powerhold.com







Perifina Wall Flood 2 in.

The Perifina Wall Flood 2 in. is a sleek, ceiling-mounted recessed cove luminaire with an illuminated reveal designed to cast soft, indirect light, providing a beautiful wall-washing effect. Compatible with 5/8-inch drywall, the recessed mud-in fixture can easily go around corners without light gaps or the need for complicated soldering — unlike most solutions on the market.

Available with a Frosted or Clear lens, the luminaire's paintable surface ensures seamless integration with any décor or color palette. The Perifina Wall Flood 2 in. offers the ultimate in customization with lengths offered in 1-inch increments.

The luminaire features superior color rendering with high R9 and R13 values and color variation is kept with a 2-step MacAdams ellipse for quality and consistency. The product is offered in numerous lumen outputs and in seven color temperatures ranging from 2200K to 5000K.

> For more information, visit www.optique-lighting.com

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The Safety Tool Specialists

Deluxe Geared Maintenance Tool Kit

Cementex Double-insulated Tools:

- Comply with the IEC 900 standard
- Comply with ASTM F1505-01 standard
- Help you meet requirements of OSHA Safety Related Work Practices, NFPA 70E Standard and CSA-Z462

Cementex Double-insulated Tools are:

- Tested to 10,000 VAC and rated for 1,000 VAC when working on live parts
- Manufactured in the USA with domestic and global materials.
- Marked with the international safety symbol -(double triangle) 1000V

Class 00 Arc Flash Glove Kit

Class 00 arc flash glove kit from Cementex is a good option for a reliable kit for work with 500 Volts or less. The gloves are made of natural rubber construction, offering the required dielectric properties combined with flexibility, strength, and durability. Gloves feature rolled cuffs, and are anatomically shaped thereby reducing hand fatigue. Each glove is chlorinated for maximum comfort.

Components of Cementex IGK00-11 glove kit:

- 11" long Class 00 rubber insulating gloves
- Leather protectors
- Canvas storage bag





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Russelectric Emergency Power System Offers Redundant PLC Controls and Manual Backup Capability

Reliable paralleling switchgear ideal for emergency backup power at renewable energy facilities

Russelectric, A Siemens Business, a leading manufacturer of power control systems and automatic transfer switches, offers its robust and reliable Emergency Power System which provides backup power during a utility power loss. The paralleling switchgear systems offer redundant programmable logic controller (PLC) controls and manual backup capability. Trusted by the largest critical facilities in the world, the Russelectric Emergency Power System has been used by renewable energy facilities.

Complete systems are custom designed and fully manufactured by

Russelectric. All systems are UL listed and can incorporate such sophisticated control functions as peak shaving and load curtailment. Russelectric paralleling systems incorporate dual, redundant, hot synchronized PLCs for system control. The unique system design allows manual start and synchronization of generator sets if automatic controls malfunction. Discrete switches, meters and control devices are standard to allow manual control capability in the event that both system PLCs fail.

Designed for maximum safety and operating simplicity, the systems are supervisory control and data acquisition (SCADA)-capable. A 23-inch LCD HMI touchscreen display enables operators to view system one-line diagrams, alarms, and setpoints.

Load demand sensing determines the number of engine generators in operation based on the loading. The system permits first priority loads to transfer to the connected engine generator set, while delaying the transfer of lower priority loads until additional generator capacity has been connected. Lower priority loads then transfer to the emergency power system as generator sets are added to the bus.

For more information, visit www.russelectric.com



Wavecrest Power Quality Protection for Sensitive Electrical Equipment

Poor power quality leads to a rise in electrical circuit failures - contributing to higher costs and longer downtimes. The new patent-pending Wavecrest offers an all-in-one solution that addresses these problems. It protects sensitive electrical equipment from unplanned power disturbances including harmonics, surge, sags, swells, transients, overvoltage, undervoltage, EMI noise, and more. Wavecrest is the first technology to protect against the multitude of harmful and annoying power disturbances, cleaning up "dirty" power to protect equipment on a dedicated circuit. Easy to install, this proven 30-amp technology is available for 120V, 208V, 240V, 277V, and 480v Y and 240v 3-phase circuits in a compact space saving design. Wavecrest power quality protection provides protection for LED lighting, heat pumps, hot

water circulators, point-of-sale systems, computers, phone systems, gas pump controls, and other electrical equipment.

Poor power quality or "dirty" power can lead to a variety of problems with any equipment containing electrical circuitry – from EMI noise causing LED lights to flicker, to harmonics causing data loss in computer systems, to overvoltage burning out the circuit board on a newly installed heat pump – it is an issue that will only increase.

With a unique, multi-stage design, Wavecrest uses a patent-pending array of MOVs, capacitors, chokes, and transformers to protect against surge (let thru voltage of only 10%), harmonics, RFI, transients, notching, noise, flicker, and more. The Wavecrest also provides one-of-a-kind overvoltage protection. If a mishap of over or under voltage occurs, as commonly occurs when power comes back online after an outage or a neutral wire is accidently disconnected, the Wavecrest opens the circuit, protecting connected equipment, and the Wavecrest itself, from failing due to the voltage condition. The diagnostics display helps the user understand the status of their power and the equipment.

Innovative in function and cost, the Wavecrest is economical enough to install on effected circuits that might not require overhauling the power conditions for an entire building. Because it is installed on a per-circuit basis (30a max), users can pinpoint the protection to one location or scale it to many problematic areas.

For over 30 years, Mechanical Ingenuity has provided high quality products and services in disciplines such as pump controls, chiller pressurizers, LED lighting products and installation. Located in Eatontown, New Jersey, their products are used by many Fortune 500 companies, and in 24 countries around the world. In addition to Wavecrest, they manufacture PREVAC and PREVAC Portable pressurizers for low pressure chillers, private label controls, provide turnkey LED lighting retrofits, and wholesale LED lighting products.

For more information, visit www.MechanicalIngenuity.com



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If so, don't forget to submit your product for nomination as one of *Electrical Products & Solutions*'

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All the winners will be featured in our December issue.



Deadline: December 5, 2025

Requirements:

Submit a high resolution photo (300 dpi) of your product, along with a brief description (up to 150 words). *Please note on your submission that it is for consideration for Top Products of 2025.*

E-mail: danny@epsmag.net

or mail to: Electrical Products & Solutions

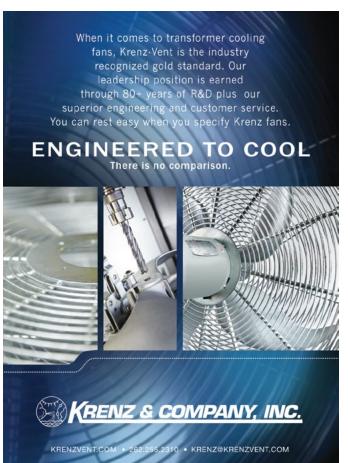
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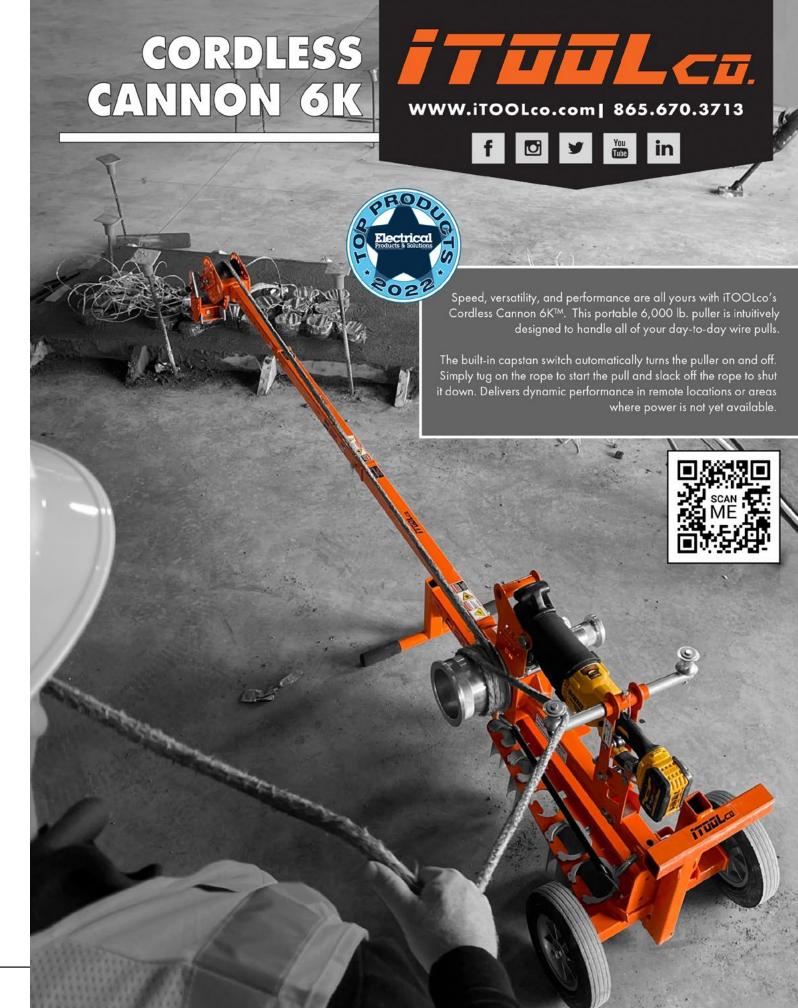
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IP6

Enter Any KO on All 4 Sides

of the Box Plus 4 Large Open **KOs in Center Allows Entering Back of Box**

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IP6a

2-Way/Half

Enter Any KO on 1 or 2 Sides of the Box Plus Large Open **KOs in Center Allows Entering Back of Box**

IP7

with Split Fingers for Horizontal or Vertical Installation. Enter Any KO on All 4 Sides of the Box Plus 4 Large Open KOs in Center Allows Entering Back of Box.

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