

February 2023

THE MOST UNIQUE AND RELIABLE RESOURCE FOR TODAY'S ELECTRICAL CONTRACTOR

# THE ELECTRIC CURRENT

**Three Gloves,  
One Mission:  
Comfortable  
Compliance**

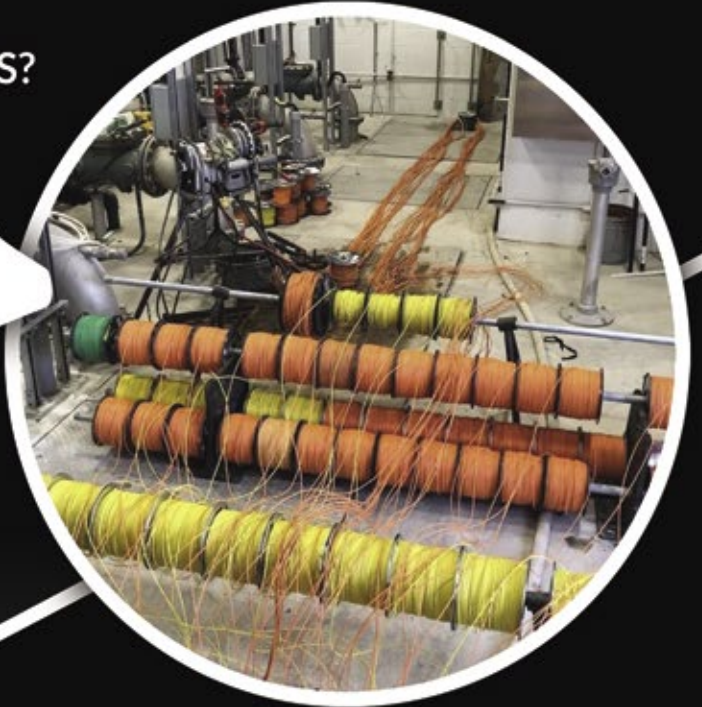
**Ronk Electrical  
MSB 200 AMP  
Meter Socket  
Circuit Breaker**

**Stadiums Can Keep Emergency  
Communications Out of the “Dead Zone”**

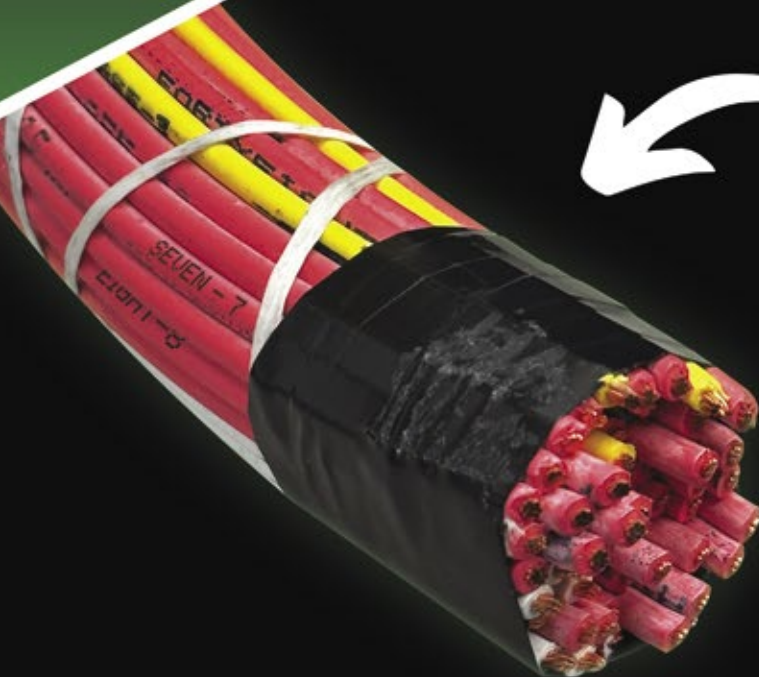


DOES YOUR JOBSITE LOOK LIKE THIS?

**STOP  
WASTING  
TIME!**



**START  
SAVING  
MONEY!**



BE **75%** MORE EFFICIENT  
CALL WINDSOR TODAY!



**MILBANK**  
ENERGY AT WORK

In a bind with your **GEAR JOB?**  
Switch to **Milbank Enclosed Controls**



*Strut and Backboard*



*Milbank Enclosed Controls*



Save money and  
installation time



Custom built  
for your project



One product,  
smaller footprint



Safety focused and  
more secure

Take your unsightly and complicated gear job to the next level and replace it with a Milbank Enclosed Control. Safe, secure, and cost-effective with a smaller footprint, Milbank's customized alternative to a strut and backboard serves numerous power distribution applications. Let Milbank customize your project today!

Learn more at [milbankworks.com](http://milbankworks.com)



## TEC Contents • February 2023

PG 4	Ronk Electrical MSB 200 AMP Meter Socket Circuit Breaker
PG 6	Three Gloves, One Mission: Comfortable Compliance
PG 10	Company Profile: Milbank
PG 14	Company Profile: Fuonce Lighting
PG 16	Stadiums Can Keep Emergency Communications Out of the "Dead Zone"
PG 24	New Product from Voltec Power & Lighting
PG 28	Ad Index



**Pg 16**

# Get Cool!



**Extend transformer life!**

**Increase transformer capacity up to 166%!**

- expert technical assistance
- low sound levels
- energy-efficient motors
- large inventory
- one-piece cast aluminum blades
- galvanized or stainless steel guards



quality engineered, performance tested

p.o. box 187 germantown, wisconsin 53022 262.255.3210 [www.krenzvent.com](http://www.krenzvent.com)



Vol. 23 Issue 2

### PRESIDENT

Glen Hobson  
205-441-5591  
[glen@handfmedia.net](mailto:glen@handfmedia.net)

### ASSOCIATE PUBLISHER

Steven Goodwin  
205-624-2181  
[steve@handfmedia.net](mailto:steve@handfmedia.net)

### ADMINISTRATIVE DIRECTOR

Steven Hobson  
[steven@handfmedia.net](mailto:steven@handfmedia.net)

### EDITOR

Brandon Greenhill  
[brandon@handfmedia.net](mailto:brandon@handfmedia.net)

### CREATIVE/ WEB DIRECTOR

Jacklyn Greenhill  
[jacklyn@handfmedia.net](mailto:jacklyn@handfmedia.net)

P.O. Box 1568 • Pelham, AL 35124  
Phone: 205-441-5591 • Fax: 205-624-2181  
[www.theelectriccurrent.com](http://www.theelectriccurrent.com)  
[info@theelectriccurrent.com](mailto:info@theelectriccurrent.com)

# SDP

*Southern Digital  
Publishing*

*The Electric Current™* is published twelve times a year on a monthly basis by Southern Digital Publishing, Inc. *The Electric Current™* is distributed free to qualified subscribers. Non-qualified subscription rates are \$57.00 per year in the U.S. and Canada and \$84.00 per year for foreign subscribers (surface mail). U.S. Postage paid at Birmingham, Alabama and additional mailing offices.

*The Electric Current™* is distributed to qualified owners and managers in the electrical industry. Publisher is not liable for all content (including editorial and illustrations provided by advertisers) of advertisements published and does not accept responsibility for any claims made against the publisher. It is the advertiser's or agency's responsibility to obtain appropriate releases on any item or individuals pictured in an advertisement. Reproduction of this magazine in whole or in part is prohibited without prior written permission from the publisher.

POSTMASTER: Send address changes to  
Southern Digital Publishing, Inc. P.O. Box 1568  
Pelham, AL 35124  
PRINTED IN THE USA

# RESA POWER™

Reliable and Safe. The Power of Us.



SCAN ME



REVIEW OF ENGINEERING DOCUMENTATION

PERSONAL PROTECTIVE EQUIPMENT (PPE)

ARC FLASH/SHOCK HAZARD LABELS

ARC FLASH HAZARD ANALYSIS

PREVENTIVE MAINTENANCE

SAFETY TRAINING

 [resapower.com](http://resapower.com)  
 800-576-RESA

## ARE YOU IN COMPLIANCE?

### ELECTRICAL SAFETY IN THE WORKPLACE WITH RESA POWER

When it comes to hands-on power systems engineering and repairs, the safety of technicians is always paramount.

RESA Power offers Arc Flash / Safety / NFPA 70E Awareness Training to prioritize the well-being of technicians and minimize the chance of injuries, downtime, and property damage.

- Arc Flash Safety Awareness Classes
- NFPA 70E Compliance Assessment
- NETA / NFPA 70B Testing and Maintenance

Make sure your workers stay out of harm's way and are up-to-date on critical compliance updates set by OSHA and the NFPA 70E 2021 Standard for Electrical Safety in the Workplace.

Our training classes can benefit anyone who wants to stay informed on the latest safety practices - from Electricians and Contractors to Environmental Health and Safety (EHS) Managers and facility maintenance personnel.

Our instructors are professionally trained and have decades of field experience with electrical safety to offer.

#### CONTACT US TODAY

Request a quote

Email: [arc.flash@resapower.com](mailto:arc.flash@resapower.com)

Phone: 763-784-4040



Network with us on LinkedIn and follow us on social media as we routinely publish the most recent company news, share best practices, post open jobs, and more.

[www.resapower.com](http://www.resapower.com)

# Ronk Electrical MSB 200 AMP Meter Socket Circuit Breaker

---

Ronk Electrical strives every day to manufacture top of the line products for your electrical needs. Ronk Electrical has a durable and trusted line of products, including but not limited to: our various switch products, phase converters, stray voltage isolators, power factor correction capacitors, and of course – our dual unit combination product - our Meter Socket with Circuit Breaker. These units are enclosed in our NEMA 3R Aluminum and are corrosion resistant, making these all-in-one products extraordinarily lightweight and easy to install.

Our 200 AMP Meter Socket Circuit Breakers come in either 4 jaw horn or 4 or 5 jaw lever bypass options, as well as having the option to be either wall or pole mounted. These dependable units are available for either underground or overhead entry and installation, and suitable for use as service equipment (SUSE). Our MSB 200-amp units have factory breaker terminal load lugs with 3-hole load lug options. With separate covers on the meter socket section, built to specifically meet the NEC code, section 230.62 – these long-lasting units will be just what your facility has been looking for.

This product can be used in many different locations, for various projects and applications. With your meter socket and main breaker combined in one singular product, valuable time and money is saved, as well as being able to count on your facility, building or home to be safe and secure. Our Meter Socket with Circuit Breaker units that have

the horn bypass option are approved for CECHA territories, and our lever bypass option being approved for MEG Utility territories. Ronk Electrical is here to make the products that you need easier and more sustainable. We have been in business 70+ years and aim to continue to be your go-to manufacturer when it comes to phase converting, stray voltage isolating, emergency and generator backup power, and much more.

[www.ronkeletrical.com](http://www.ronkeletrical.com) •





"As a safety professional, you always want your workers to have access to leading edge safety tools that improve safety and focus.

Working with **COOLSHIRT SYSTEMS** over the past two years allowed me to help design a tool **by lineman for lineman.**

The **A.R.C. Hybrid Cooling System** by **COOLSHIRT SYSTEMS** allows lineman to remain more focused and less fatigued by reducing their core body temperature in extreme environments, therefore reducing the possibility of unintended accidents."

**-James "Jim" Bonner**  
Compliance Coordinator- Retired  
Alabama Power



## **A.R.C. Hybrid Cooling System**

*Complete Arc Rated Portable Cooling Solution*

Developed in conjunction with major power companies for use in extreme heat conditions, the **A.R.C. Hybrid Cooling System** uses liquid cooling to reduce fatigue, injury, and heat stress related illness.

Designed specifically for use by linemen, the **A.R.C. Hybrid Cooling System** features a compact design with a custom woven strap mounting system. The use of S-hooks offers the versatility of mounting inside or outside of the bucket.

Designed with portability in mind, measuring **6" x 6" x 20"** and weighing in at **less than 10 lbs dry**. The unit is entirely self-contained and built to last with a 20,000 hour pump.



**A.R.C. Hybrid Cooling System**  
2002-0017



**COOLSHIRT**<sup>®</sup>  
TEMPERATURE CONTROLLED GARMENTS



# Three Gloves, One Mission: Comfortable Compliance



*They'll Never Want to Take Off Brass Knuckle® SmartFlex™ 400 Series*

With long-lasting comfort comes increased compliance. That's the thought behind the SmartFlex™ 400 Series hand protection from Brass Knuckle®. Three gloves, each designed with a 13-gauge nylon shell offering abrasion resistance, uncoated back and wrist to encourage all-day wear, and ultra-thin polyurethane coating on the palm and finger area for an amazingly sensitive gripping surface. Every glove in the 400 Series enables accurate handling of even the smallest of parts, whether in dry or light oil applications.

These thin-gauge general purpose gloves are ideal for everything from electronics repair to small parts assembly. The SmartFlex 400 Series combines outstanding dexterity, lightweight comfort, and protection from injury. BK401 is black nylon with gray coating to conceal dirt and grime. BK402 is white-on-white, making it easy to identify foreign particles on the glove, ideal for inspectors and quality control. BK403 is black nylon with a black coating, a tough-looking concealer for grimy projects. Each model is available in seven different sizes with color-coded cuffs to simplify re-issuance.

Each glove in the series is carefully constructed, designed for fit, but also cost-competitive. The lightweight, 13-gauge nylon shell provides dexterity and grip and is more lint-free than polyester. A grippy



# **"When Disasters Strike, First Responders Rely On Us!"**

Our complete control, communication and convenience Utility Truck Console is becoming the new standard for truck fleets of all sizes. Loaded with standard and optional features that maximize ergonomics, productivity, and fleet/telecom standards into a one exceptional Mobile Console Solution.



**MOBILE**DESK  
MOBILE OFFICE SOLUTIONS  
**1-877-663-3375**  
**www.mobiledesk.com**



but not sticky polyurethane coating on the palm and fingers makes the 400 Series excellent for dry-grip applications.

400 Series gloves are ideal for many applications not requiring cut-level protection, from automotive to warehouse to light construction and assembly. Designed for maximum comfort and ease of use for all-day wear, the 400 Series offers protection and helps increase wearer compliance. Workers will never feel like they have to take these gloves off.

For more information, visit [www.brassknuckleprotection.com](http://www.brassknuckleprotection.com) •

#### About Brass Knuckle

*Brass Knuckle® grew out of a partnership with one of North America's oldest dedicated safety product supply companies. From product inception to quality control, we manage every aspect of product development to ensure ergonomics, protection, and cost efficiency, maximizing compliance and safety. Brass Knuckle is a member of the Volk Enterprises family of companies, whose international strategic alliances with documented professional supply partners allow for a full range of safety products, programs, and services to clients across the globe. For more information, contact Brass Knuckle® Safety Products, 1335 Ridgeland Parkway, Suite 120, Alpharetta, GA 30004. Phone: 770-674-8930. [www.brassknuckleprotection.com](http://www.brassknuckleprotection.com).*

# Work shouldn't hurt.

## SOFT KNEES® No-Strap Knee Pads

## STOP a LADDER®

Another fine **ergoKNEEL** product  
[www.ergokneel.com](http://www.ergokneel.com)



**888-456-3372 • [www.safeworker.com](http://www.safeworker.com) • [info@safeworker.com](mailto:info@safeworker.com)**



800.557.0098 | [golight.com](http://golight.com)

# GO LIGHT



DURABLE  
VERSATILE



POWERFUL  
GUARANTEED

# Company Profile:



A proud American manufacturer, Kansas City based and family-owned Milbank Manufacturing's products have been powering the United States and beyond since our inception in 1927. Milbank set the standard for high-quality metering equipment and enclosures and has contributed significantly to technological advancements in the electrical industry.

From the meter socket powering your home to the enclosed control distributing power to traffic lighting or EV charging stations, it is likely that you encounter one of our products several times a day. Milbank's collective talent works to advance electrical technologies and power distribution capabilities from our four American manufacturing facilities.

Our metering, enclosures, RV/mobile home pedestals, and enclosed controls product lines are well-equipped to meet customer needs head-on and provide solutions in a rapidly evolving world.

## *Metering:*

Milbank has a metering solution for every application. We have products approved by thousands of utilities across the United States. Milbank offers hundreds of different types of single-position, residential, and self-contained meter sockets, as well as instrument rated meter sockets. Applications range from a single-family home to a large industrial factory. There are hundreds of configurations available, including many sizes, knockout configurations, terminal configurations, hubs, locks and connectors.

## *Enclosures:*

Milbank's line of commercial enclosures includes the full gamut of styles and sizes; with everything from junction boxes and transformer cabinets to telephone cabinets, wireway and push button enclosures, Milbank has a solution for your enclosure needs including NEMA 1 and 3R solutions.

## *Enclosed Controls:*

No matter your power distribution needs, Milbank enclosed controls have a solution. Put all your needs inside one secure enclosure and keep your power safe, secure and with a smaller footprint.

Milbank enclosed controls provide power distribution for outdoor lighting, traffic controls, EV charging and more. All necessary components are housed inside one secure enclosure.

Let Milbank power your next project by visiting [milbankworks.com](https://milbankworks.com) •



# REPAIR CONDUIT IN A SNAP!

- No Tape
- No Plastic Straps,
- No Metallic Straps

## NO KIDDING!

**Designed especially for  
power, communications,  
and fiber optics**



**"The World Leader In Split Conduit Products"**



**Conduit Repair Systems, Inc.**

The World Leader In Split Conduit Products

800-670-1804

fax: 435-673-8724

email: [crs@conduitrepair.com](mailto:crs@conduitrepair.com)



**Step 1: Remove  
Damaged Conduit**



**Step 2: Cut Split  
Duct Conduit to Fit**



**Step 3: Snap in  
Place**



**Step 4: Attach  
Adapters**



**Step 5: Finish Job  
in Record Time**

**Please Visit Our Website at [WWW.CONDUITREPAIR.COM](http://WWW.CONDUITREPAIR.COM)**



# TEMPORARY LIGHTING & POWER



ULTRA-THIN LIGHT WEIGHT & DURABLE DESIGN



8,000 - 12,500 - 16,000 - 25,000 LUMEN OPTIONS



**T-BOX**



**COMPARE  
THE  
QUALITY**

[WWW.VOLTECPowerLIGHTING.COM](http://WWW.VOLTECPowerLIGHTING.COM)



## SLIMLED™MULTI

MULTI-APPLICATIONS, SELECTABLE TEMPERATURE,  
MULTI-COLORS, NOT SOLD SEPARATELY

With the SLIMLED MULTI you can easily convert a standard  
Octagon Box into a recessed downlight.



Fire-rated when  
installed in a fire-rated  
Octagon Box





# INNOVATIONS

## Faster Safer Workspace

# iTOOLco.



### ALL JACK™

Increase productivity and decrease fatigue using iTOOLco's All Jack™. Install pipe, lights, cabinets, drywall, temporary dust barriers and much more with this innovative jack designed to lift and support the weight of your workpiece while you anchor it into position.

High ceilings and ladder work are not a problem for this dynamic tool. Reach from 58" to a staggering height of 13'6". The industrial gas shock ensures a snug, stable support that stays in place while you complete the installation. Once your workpiece is secured into place, simply remove the All Jack™ by releasing the shock. More powerful than a typical support pole, the All Jack's gas shock can handle your most challenging jobs.



SCAN QR

### CORDLESS CANNON 3K™

Speed, Versatility, and performance are all yours with iTOOLco's Cordless Cannon 3K™. This portable 3,000 lb. puller is intuitively designed to handle all of your day-to-day wire pulls.

The built-in capstan switch automatically turns the puller on and off. Simply tug on the rope to start the pull and slack off the rope to shut it down.

Delivers dynamic performance in remote locations or areas where power is not yet available.

The high-capacity rechargeable battery is long-lasting and delivers maximum power.

The Cannon 3K™ will even chew through a medium size run of 4 - 350 in 3" conduit with 4 - 90s 220' long in record time and still have half the battery life for your next pull.

SCAN QR



### FOLLOW US:





## COMPANY PROFILE

Fuonce Lighting, is committed to serving the global markets, especially in US, Canada, Australia and Europe by innovating and designing state-of-the-art fixtures in the LED industry.

We specialize in industrial and commercial LED lighting products such as; high bay lights, area lights, panel lights, plant grow lights, etc. We strive to continue expanding our offerings.

All our fixtures are protected by Insurance with a standard 5-year warranty, and are qualified by UL, cUL, ETL, CE, SAA safety standards, as well as DLC for high performance and energy- saving standards.

We have solidified a reputation for being a high-quality LED lighting fixture manufacturer at a competitive price. Our U.S.-based headquarter and global branches allow us to better support our customers, with warehouses in CA, OK, TX, IL, DE, GA in USA, Quebec in Canada, NSW in Australia and Hamburg in Germany.

Our warehouses are stocked with more than \$10 million of inventory, allowing us to guarantee that 99% of our orders will be processed and shipped within 1-Business Day.

To help expand our customers' business with creative solutions to increase sales and profitability, we offer 3-5% yearly rebates on sales. We also offer to exchange inventory on products that are falling short of sales expectations up to 10% of your total annual purchase value.

We want to ensure that all parties stay healthy and vibrant in this relationship.

Let Fuonce Lighting take your business to the next level.

Fuonce Lighting, Better Lights, Lower Costs.





## BRAND ADVANTAGE

- ★ Factory direct supply cost **20%-40% lower** than the same quality products
- ★ **20,000+ pcs** full range of products in stock, free sample for test
- ★ **24H** fast delivery from warehouses in CA, OK, TX, IL, DE and GA
- ★ Enjoy **60 / 90 / 120** Day interest-free credit, according to your line of credit
- ★ **10%** exchangeable on annual purchases, rebate **3%** if over \$100,000
- ★ Free technical support & design assistance ( DIALux simulation )
- ★ Media Ad support to **800,000+** Users
- ★ **5-Year** warranty & product liability insurance





# Stadiums Can Keep Emergency Communications Out of the “Dead Zone”

*By Del Williams*

*At high-profile stadium venues, Advanced Emergency Responder Communication Enhancement Systems (ERCES) can help eliminate potential dead zones to allow first responders to stay connected*

At stadiums across the country, first responders including police, fire and Emergency Medical Services (EMS) depend on reliable two-way radio communication when lives and property are at risk. In-building radio signals are often blocked or attenuated by structures that are large and primarily constructed of metal and concrete and with below grade areas. When this occurs, weak or obstructed signals result in radio communication “dead zones” that can jeopardize emergency coordination among first responders.

Stadiums bring together thousands of spectators and participants for games, concerts and other gatherings, making real-time radio coordination among police, fire and EMS services essential. This is not only necessary for routine traffic, crowd control and medical services but also to facilitate response to the unexpected. Incidents can range from transporting an injured player to the hospital to responding immediately to a fire or other emergency on the premise. When lives are on the line, a quick, coordinated response can help deescalate a situation before it intensifies.

“Stadiums often have one or two levels below grade, which is a major problem for emergency commu-





# SAFELY Lifts Up To 500 lbs!

- Ergonomic
- Portable
- Lightweight
- Meets OSHA & ASME Requirements

## Customized Safety Lifting Devices For Any Application

Available in both  
**CHAIN & CABLE**  
Configurations



The Sky Hook is your personal safety lifting solution, preventing lifting injuries while saving you both time and money!

# 800-4-SKYHOOK

800-475-9466 • 208-365-5770

[www.skyhookmfr.com](http://www.skyhookmfr.com)



nication. Pre-cast walls, pipes, rebar or structural steel can also disrupt communication, which can be prevalent in areas such as stairwells or tunnels. Signal failure in any critical area will require installing an Emergency Responder Communication Enhancement Systems (ERCES)," says Deron Bone, president of RF DAS Systems, Inc., a national provider of emergency responder radio coverage systems for more than 30 years.

ERCES are mandated by fire code in most places for the construction of new stadiums and some existing stadiums. These advanced systems boost the signal within all areas of the stadium, providing clear, two-way radio communication without dead spots.

"Basically, all stadiums from high school to college to pro need an ERCES since there can be communication dead spots throughout. Many do not have these systems, so testing is essential to support safety and compliance," adds Bone.

State-of-the-art ERCES are available that amplify and accommodate all the necessary emergency signals required, even in the largest stadiums. The approach facilitates meeting all codes while reducing overall installation cost and complexity—helping to expedite tight project deadlines.

#### *A World-Class Stadium*

Recently, RF DAS Systems installed an ERCES at a new West Coast stadium with more than 30,000 seat capacity, that hosts both professional and collegiate sports as well as large festivals, concerts and events.

According to Bone, when RF DAS Systems initially conducted a pre-test on the stadium, there was

no signal in much of the first floor and the entire lower level, so installing additional antennas was required in the ERCES system throughout these areas.

"Even though a radio transmission tower is close, there were a number of weak points in coverage that needed to be accommodated," says Bone.

ERCES were first introduced in the 2009 International Building Code. The latest version requires all buildings to have an approved level of emergency communication coverage for first responders.

ERCES systems function by connecting through an over-the-air link that the installer optimizes to the public safety radio communications tower network using a rooftop directional antenna. This antenna is then connected via coaxial cable to a bi-directional amplifier (BDA), which increases the signal level to provide sufficient coverage within a stadium based on life safety standards. The BDA is connected to a distributed antenna system (DAS), a network of relatively small antennas installed throughout the structure that serve as repeaters to improve the signal coverage in any isolated areas.

In stadiums, multiple amplifiers are usually required to drive an adequate signal level across the system.

Fire, police and EMS frequencies vary across the country. To increase safety and compliance, the specific radio frequency used must be customized to the stadium configuration, the frequencies used by emergency services specifically in the area, and the geographic topography (nearby hills, mountains, etc.). The design usually involves





# STRUCTURAL STEEL CO., INC.

## **Pre-Engineered Buildings Built to Withstand The Rugged Northeast Winters**

- **Commercial, Industrial and Agricultural Buildings Built to Satisfy Your Building Needs**
  - **Pre-Engineered Steel Packages**
  - **Pre-Engineered Post Frame Packages**
  - **Mini Storage Buildings**



*Call For a Quote On  
Your Next Project*

***We Manufacture 26 & 29 ga.  
Steel Roofing & Siding***



# STRUCTURAL STEEL CO., INC.



607 Rt. 13 S, Cortland, NY 13045

**National: 1-800-323-7739**



(607) 753-9384 • Fax: (607) 753-6272 • [www.essexsteel.com](http://www.essexsteel.com)

tuning the ERCES to prevent signal interference with other frequencies and avoid running afoul of the FCC, which can levy significant fines when violations occur.

To streamline the process, Bone selected the Fiplex by Honeywell BDA and fiber DAS system.

The compliant, FCC-certified system was developed to reliably provide superior RF amplification and coverage without noise, enhancing two-way radio signal strength inside buildings including stadiums. The system is specifically designed to meet NFPA and IBC/IFC code compliance with the UL 2524 Second Edition listing.

One vital aspect that sets the Fiplex ERCES apart is that Fiplex can “tune” the device to the channels used before shipping. The installer can further optimize the BDA’s RF tuning onsite to achieve the precise frequency required with channel selective, software programmable or adjustable bandwidths. This mitigates the issue of wideband transmission, which can otherwise cause outside interference in highly congested RF environments like stadiums and potentially lead to FCC fines.

Bone points out another aspect that distinguishes Fiplex BDAs from other digital signal boosters: the availability of a dual-band option for dedicated UHF or VHF models.

“One of the best features of the system is that it can incorporate both UHF and VHF in one unit, which saves space and simplifies installation. Previously, I had to purchase separate units,” says Bone.

To meet tight deadlines, companies rely on OEMs to quickly deliver ERCES system components.



“My customers cannot wait eight weeks, let alone 18 to 20 weeks, for an amplifier. Although this happens in the industry, I don’t have that problem with Fiplex. They coordinate with us so we always have a ready supply,” says Bone.

For the stadium project, RF DAS Systems relayed the specific fire, police, EMS and public service frequencies to Fiplex, which programmed the RF signal band.

Bone appreciates how the ERCES system enhances design flexibility. This can be particularly important after a stadium project is complete if modifications are made or a certain material is denser and more prone to blocking RF signals than originally believed.

“With a BDA software upgrade, I can change the amplifier from a half-watt to a two-watt BDA. That flexibility is key because it allows easy adjustment, so I don’t need to purchase and install another amplifier if a structure is denser than I thought,” says Bone.

Additionally, the compact size of the BDA eases installation. “Fiplex’s BDA is much smaller than the industry norm, and has its own mounting bracket, which streamlines field installation.” He notes that the system’s DAS and fiber components are much



# BUILT FOR EVERYTHING THAT'S ON THE LINE

HUSKIETOOLS.COM

SINCE 1976

FREE OFFER - CONTACT US:  
POWER@HUSKIETOOLS.COM

HIGH-PERFORMANCE  
UTILITY LINEMAN  
TOOLS & EQUIPMENT



## THE INDUSTRY'S #1 POWER UTILITY SOLUTIONS BRAND

OVER  
**200**  
CHOICES  
BATTERY  
POWERED  
HYDRAULIC  
CUTTING &  
COMPRESSION  
TOOLS



BATTERY PLATFORMS:  
MILWAUKEE®  
MAKITA®  
HUSKIE®  
6, 12 & 15 TON  
COMPRESSION TOOLS  
CUTTING TOOLS HANDLE  
UP TO 2515 ACSR,  
5" CU/AL, 5/8" GUY WIRE,  
GROUND ROD, BOLTS,  
& WIRE ROPE

NEW  
JAWS



**21** HAND POWERED HYDRAULIC  
CUTTING & COMPRESSION  
MANUAL TOOLS

INCLUDING:  
6 & 12 TON COMPRESSION TOOLS  
FOR W, K, U-TYPE DIES & 4-POINT  
DIELESS HEADS. CUTTING TOOLS  
FOR ACSR, CU, AL, GUY WIRE, EHS,  
GROUND ROD, BOLTS, & WIRE ROPE



**22** REMOTE HEADS  
CUTTING and  
COMPRESSION



**60** TON  
**100** TON  
**200** TON  
PRESSES



SINGLE ACTING  
DOUBLE ACTING  
STEEL, TITANIUM



**12** HIGH-PRESSURE PUMPS  
BATTERY POWERED,  
ELECTRIC & GAS PUMPS;  
HIGH-PRESSURE HOSES  
& FITTINGS

ANNOUNCING  
NEW HUSKIE TOOLS  
HTPZ PROLINE  
BATTERY POWERED  
PUMP SERIES



DIES &  
DIE KITS OVER  
**200**  
CHOICES

BURNDY EQUIVALENT:  
W, U, P, L, & CSA DIES  
KEARNEY EQUIVALENT:  
0, WH-2, WH-3 DIES  
ALCOA EQUIVALENT:  
60 & 100 TON DIES  
WIRE ROPE DIES



**12**  
TIGER POLE  
PULLER &  
MATERIAL  
HANDLING  
PRODUCTS



HUSKIE TOOLS  
CARRIES THE  
INDUSTRY'S  
MOST POPULAR  
CABLE GRIP  
SIZES



LEARN MORE



800.860.6170

HUSKIETOOLS.COM

POWER@HUSKIETOOLS.COM

Huskie Tools is not affiliated with, authorized, or endorsed by Milwaukee Electric Tool Corporation. Milwaukee listed batteries and chargers are re-sold by Huskie Tools. Milwaukee® HTP® (HUSKIE®) are registered trademarks of Milwaukee Electric Tool Corporation. Huskie Tools is not affiliated with, authorized, or endorsed by Makita Corporation. Huskie® listed batteries and chargers are re-sold by Huskie Tools. Makita® and LXT® are registered trademarks of Makita Corporation.



easier to install than the equipment he previously used.

For Bone, installing a reliable system that works as expected is the most important aspect of any project.

“When there’s an incident at a stadium, like an injured player who is taken off the field by ambulance, it is a communications frenzy with RF signals flying everywhere – which is tough on an ERCES system, but if you are installing a quality system, then everything is okay,” says Bone.

This was put to the test when the final sign-off by the AHJ (Authority Having Jurisdiction) was the day of the first game, due to tight timelines for stadium completion.

The inspection went off without a hitch and the fire marshal signed off on the ERCES.

“The Fiplex system passed with flying colors,” concludes Bone.

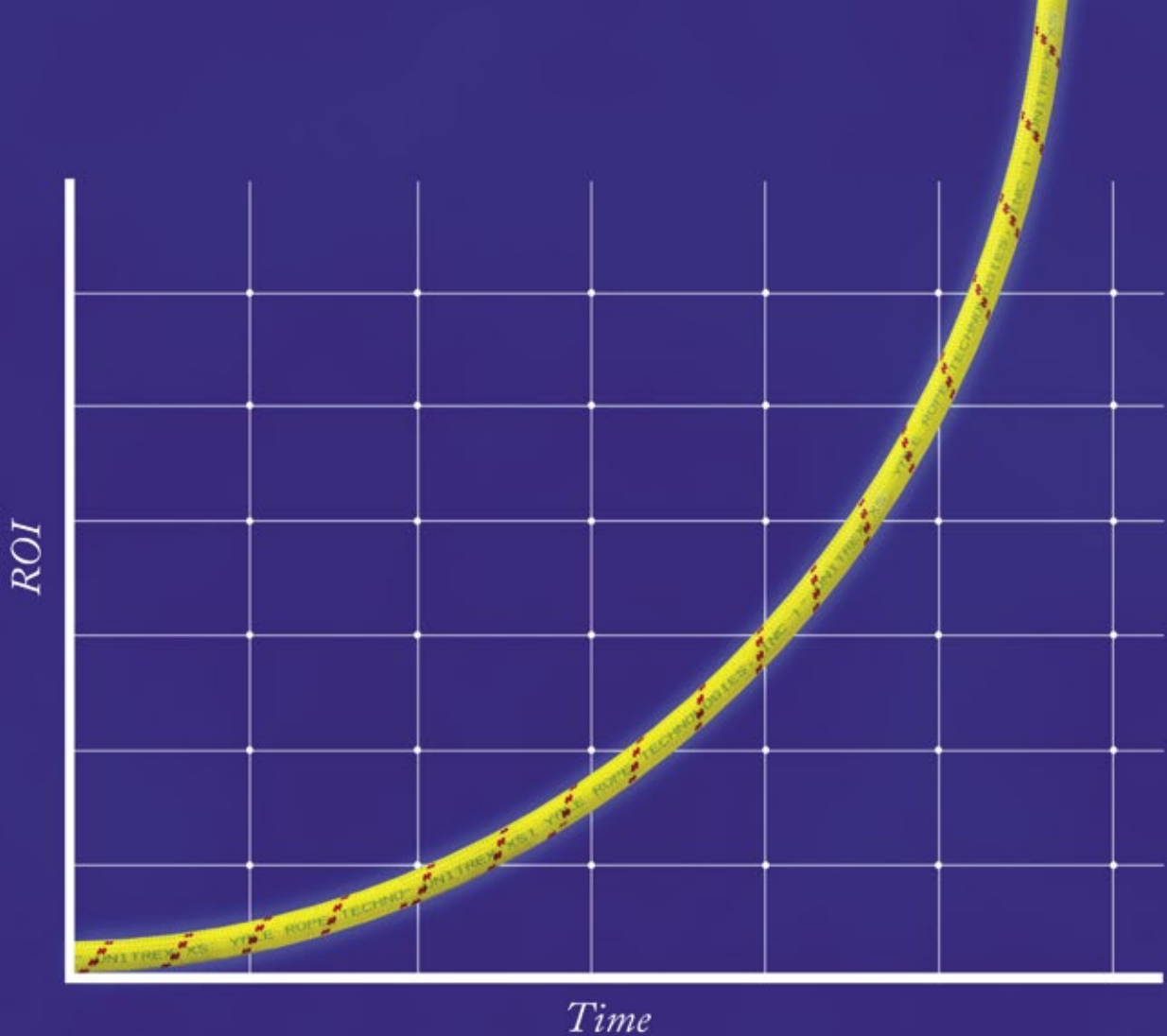
To avoid delays and technical challenges, stadium developers, architects and engineering firms can benefit from an expert contractor’s familiarity with ERCES requirements. With quick shipment of an advanced ERCES tuned by the manufacturer to the required RF channel, a skilled contractor can install and further optimize the device to the specific local band frequencies. The approach expedites the project and compliance, enhancing safety during an emergency.

*For more information, contact Megan McGovern, Director of External Communications at Honeywell Building Technologies: email: [megan.mcgovern@honeywell.com](mailto:megan.mcgovern@honeywell.com); or call: 404-216-6186.*

**[www.honeywell.com](http://www.honeywell.com)** •







## Unitrex XS™ Max Wear. Unmatched performance in the field and in the boardroom.

Electric line stringing is easier and more economical with Unitrex™. Made with a core of Honeywell Spectra®, it is up to 10 times lighter than steel, while delivering comparable strength. The urethane-coated polyester jacket provides excellent abrasion resistance for great productivity that lasts.

To learn more, visit [www.yalecordage.com](http://www.yalecordage.com)

**YALE CORDAGE**  
Performance. Passion. Possibilities.

77 Industrial Park Road | Saco, Maine 04072 | p (207) 282-3396, f (207) 282-4620

# New Product from Voltec Power & Lighting

---



Voltec Power & Lighting is excited to announce the addition of a brand new surge protected power strip to its current offering of power distribution solutions. Whether working at your home or office, our line of power strips can protect your devices and appliances from damage caused by electrical surges. This new model features a total of (8) NEMA 5-15 standard receptacles, with 3 of the 8 being transformer outlets. These are specially designed and spaced out to handle larger plugs that can sometimes block multiple outlets. In addition to these traditional receptacles, this strip comes equipped with (2) 3.4 Amp USB Ports. These are versatile and can be used to charge phones, tablets and other devices with USB-A style cords, without the need for a charging cube/plug.

The cord attached is 6ft in length, and made with Heavy Duty 14/3 AWG SJT cable. The NEMA 5-15 plug is a right angle design, which allows you to plug in flush to the wall behind furniture. This feature also allows you to push your desk or couch as close to the wall as possible, for a cleaner look and less wasted space. Traditional plugs protrude from the wall, making them more likely to become unplugged accidentally, causing nuisance shut downs,





# Relax On Payroll Fridays

- 5 Minute Friday Payroll
- Internet Based • Encrypted
- Avoid Jail Time and Costly Fines
- Identifies All Davis Bacon Compliance Errors
- 80% Savings of Time and Money Compared to Manual Payroll Preparation





and possible safety hazards.

The Unit itself is rated up to 2,100 Joules, and is equipped with a 15 Amp Circuit Breaker Switch. The on/off switch has an indicator light, letting you know if there is power to the device. Use with confidence, as this is a UL Certified Surge Protect-

ed Power Strip, which ensures it meets all specifications and claims as per UL,Âs rigorous protocol and testing process.

Additional Spec Summary:

- Rated 15 Amps ,À 1,875
- Watts at 125 Volts
- Clamping Voltage of 500V (L-N, L-G, N-G)
- 20 dB EMI/RFT Filtration
- Frequency ,À 150Khz ,À 30 Mh

For more information about this product and our full line of products please visit our website.

**[www.voltecindustries.com](http://www.voltecindustries.com)** •



An ounce of prevention is worth a pound of cure



Line Guard | Pole Guard | BirdBloc  
**Learn More at [CritterGuard.org](http://CritterGuard.org)**





# TRANSFORM YOUR PULL WITH THE ALL NEW ELECTRIC DUCT DAWG



Electrification of Sherman+Reilly equipment is transforming customer expectations, with an all-electric drivetrain built to exceed all-day use, no matter how tough the job gets. The On-board Rapid Recharge System by S+R™ provides superior performance and automatic battery management to ensure every job is completed without interruption or concern for battery capacity. Plus, receive real time industry leading support with S+R Telematics™ at no additional cost.

## INVENTING WHAT'S NEXT



SHERMAN-REILLY.COM

## Ad Index

Company	Pg.	Website
Conduit Repair	11	<a href="http://www.conduitrepair.com">www.conduitrepair.com</a>
Coolshirt	5	<a href="http://www.coolshirt.com">www.coolshirt.com</a>
Critter Guard	26	<a href="http://www.critterguard.org">www.critterguard.org</a>
eMars Inc	25, 28	<a href="http://www.emarsinc.com">www.emarsinc.com</a>
Essex	19	<a href="http://www.essexsteel.com">www.essexsteel.com</a>
Fuonce Lighting	15	<a href="http://www.fuonce.com">www.fuonce.com</a>
GoLight	9	<a href="http://www.golight.com">www.golight.com</a>
Huskie Tools	21	<a href="http://www.huskietools.com">www.huskietools.com</a>
iToolco	13	<a href="http://www.itoolco.com">www.itoolco.com</a>
Krenz Vent	2	<a href="http://www.krenzvent.com">www.krenzvent.com</a>
Lite Line	12	<a href="http://www.liteline.com">www.liteline.com</a>
Maddox	IBC	<a href="http://www.maddoxtransformer.com">www.maddoxtransformer.com</a>
Milbank	1	<a href="http://www.milbankworks.com">www.milbankworks.com</a>
Mobile Desk Solutions	7	<a href="http://www.mobiledesk.com">www.mobiledesk.com</a>
Resa Power	3	<a href="http://www.resapower.com">www.resapower.com</a>
Ronk Electrical	BC	<a href="http://www.ronkelectrical.com">www.ronkelectrical.com</a>
Sherman + Reilly	27	<a href="http://www.shermanreilly.com">www.shermanreilly.com</a>
Sky Hook	17	<a href="http://www.skyhookmfr.com">www.skyhookmfr.com</a>
Voltec	12	<a href="http://www.voltecindustries.com">www.voltecindustries.com</a>
Windsor Wire	IFC	<a href="http://www.windsorwireco.com">www.windsorwireco.com</a>
Working Concepts	8	<a href="http://www.safeworker.com">www.safeworker.com</a>
Yale Cordage	23	<a href="http://www.yalecordage.com">www.yalecordage.com</a>

**Relax On  
Payroll Fridays**

eMarsinc.com  
Ph: 480-595-0466

***e- Mars, Inc.***  
"Compliance at your Fingertips"

- 5 Minute Friday Payroll
- Internet based
- 58,000+ Construction Clients
- Avoid Jail Time and Costly Fines
- Encrypted
- Identifies All Davis Bacon Compliance Errors
- 80% Savings of Time and Money Compared to Manual Payroll Preparation





# Maddox is the one-stop shop for your transformer needs

Founded by a team of industry veterans focused exclusively on the transformer and transformer-related needs of industrial and commercial clients.



## Sell

Maddox stocks and sells the highest quality transformers from dry types and padmounts to substations.

## Rent

With thousands of units in stock, Maddox rents out transformers for the temporary power needs of customers across North America.

## Repair

With shops on both coasts Maddox inspects, tests, and repairs transformers to ensure that they are in top working condition.

## Purchase

We offer a great price that includes handling all the transportation and environmental issue.

1-800-270-2011

[sales@maddoxtransformer.com](mailto:sales@maddoxtransformer.com)

[maddoxtransformer.com](http://maddoxtransformer.com)

# AMERICAN MADE. RONK SOLID.

Since the 1950's, RONK has been striving to give you the best possible top-quality products and services. We pride ourselves on all our products being made in America and manufactured at our own facility in Central Illinois.

Offering products such as robust transfer switches, phase converters, stray voltage isolators, and meter socket circuit breakers, RONK Electrical has the right product for your power system needs.

Serving industries such as agriculture, oil and gas, utilities/electrical co-ops, waste & wastewater, we feature lead times shorter than our competitors, and the promise that our products will last for decades. Using naturally corrosive resistant aluminum enclosures for our products, RONK knows that your company deserves the best.

## SERIES 4+ MANUAL TRANSFER SWITCH



# RONK

## RONK ELECTRICAL

106 E State Street, PO Box 160  
Nokomis, IL 62075-0160

Sales: 1-800-221-7665

Service: 1-217-563-8333

[www.ronkelectrical.com](http://www.ronkelectrical.com)

