

December 2021

Electrical Products & Solutions™

The Purchasing Guide for Electrical Contractors

www.epsmag.net



Simplify and Enhance Your Monitoring and Reporting Capability

6 Environmental Data Loggers

LIGHT • SOUND • HUMIDITY • MOISTURE • CO2 GAS • TEMPERATURE • IR TEMPERATURE • WIND SPEED/FLOW



Lightmeter Model 1110

- Compact and lightweight
- Simple-to-use
- Hand-held or wall mountable
- Data logging up to 1 million measurements
- User programmable
- Multi line backlit display
- Wirelessly communicates with AEMC's Thermal Imaging Cameras
- USB and Bluetooth® communication
- Analysis/Report generating software included
- Battery or USB powered



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 **AEMC**
INSTRUMENTS
CHAUVIN ARNOUX GROUP

SPP PRODUCTS, INC.

Productivity and value thru ideas

Proud to be the Electricians' Friend for Over 50 Years!

IP26 Flat "Big O" Box Support Plate  PATENT PENDING



SAVES OVER 1 HOUR PER INSTALLATION

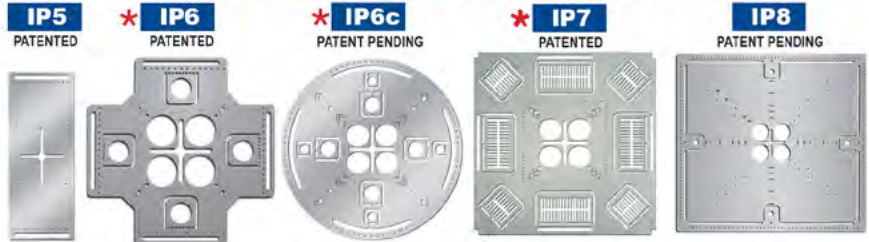
Prefabricated Assemblies

SAVE More Than **\$15.00** per Wall Outlet

PFA3



Conduit & Box Support Plates



Support From Only ONE Rod Plus Eliminates Conduit Clamps
Save More Than One Hour per Installation! *

IP11 Trapeze Brackets

Original EZUTB - Size 1/2" thru 1 1/4" Conduit or equal size MC Cable.

SAVE OVER 20 MINUTES PER FOOT



TRAPEZE Eliminates ALL Conduit Clamps!

NECA SHOW STOPPER 1997

Mount Boxes on Both Sides or Between Studs

IP28a PATENTED 

Strong 16 Gauge Galvanized Steel

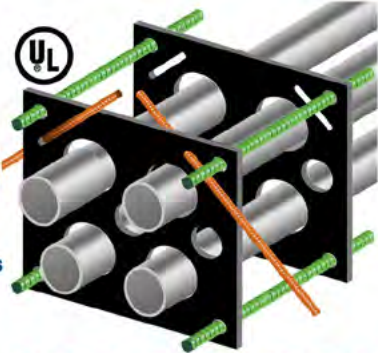


2 Box Flat Fixed Position

IP1 QwikDuct HDPE CUSTOM TEMPLATES

LOWER CONDUIT FROM ABOVE
NO WORKERS BELOW PREVENTS INJURIES OR DEATHS
4,000 PSI TENSILE STRENGTH AT BREAK
OVER 12X FASTER THAN SPACERS & CHAIRS

NECA SHOW STOPPER 2000



IP13a-13h Transition Couplings



a PVC to PVC

b PVC to EMT

c PVC to Rigid

d PVC to Flexible

e PVC to Aluminum

f PVC to Stainless

g PVC to Ligitite

h PVC to EMT Comp.

Sizes 1/2" thru 6" Schedule 40/80 Conduit

IP15 1 Piece Reaming Bit PATENT PENDING

1/2" thru 6" High Speed Steel for Long Life.

Installation in Less Than 5 Minutes

- Use For Entire Job - Not Just for Repair!

IP19 4-Conduit Block PATENTED

Support up thru 4 conduits From ONLY 1 ROD!

SAVE OVER 30 MINUTES PER INSTALLATION



IP21a QwikBlock Box Support PATENT PENDING

NEW



Accepts Both 1/4" & 3/8" Threaded Rod

NEW Snap-ON Adjustable Back Box Support



IP3a End Bell Adapter



Smooth Edges Allow Trouble Free Wire Pulls. PVC Schedule 40 & 80 Sizes 1/2" thru 6"

IP3b PVC Offset PATENT PENDING

1/2" thru 6" Conduit 1/2" thru 2" Offset



Plus More That Do Jobs **SAFER BETTER FASTER** Constantly Being Invented!



SPPProducts.com 800-233-8595 info@SPPProducts.com

TOP PRODUCTS

6 This year's Top Products in the Electrical Industry Market



DEPARTMENTS

32 AD INDEX

PUBLISHER

Danny J. Salchert

OFFICE MANAGER

Anita Salchert

CREATIVE DIRECTOR

Derek Gaylard

CIRCULATION DIRECTOR

Pam Fulmer



PRESIDENT

Danny J. Salchert

EXECUTIVE AND ADVERTISING OFFICES

2009 Eagle Ridge Drive
 Birmingham, AL 35242

phone: 205.981.4541

fax: 205.981.4544

www.epsmag.net

danny@epsmag.net

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INNOVATIONS

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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:



REPAIR CONDUIT IN A SNAP!

No Tape • No Plastic Straps • No Metallic Straps

NO KIDDING!

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



STEP 1
Remove damaged
conduit



STEP 2
Cut split duct
conduit to fit



STEP 3
Snap in
place

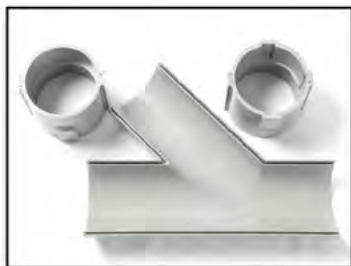


STEP 4
Attach
adapters



STEP 5
Finish job in
record time

“The World Leader In Split Conduit Products”



Conduit Repair Systems, Inc.

The World Leader In Split Conduit Products



800.670.1804 • 435.673.8724 fax • crs@conduitrepair.com • www.conduitrepair.com

First there was 4 square...
and now the **REVOLUTIONARY 5 Square® Box!!**

You've struggled with 4 Square boxes for years - you know how small, cramped and time consuming they are. Finally, there is a solution that allows you the space you have always needed.

The **5 Square®** Boxes (5" x 5" x 2-7/8") provide up to 88 in³ of interior volume which more than doubles that of most existing boxes on the market.

Create a robust and unrivaled infrastructure for the life of your facility with the **5 Square®** Products!



Fire Signal



- TWICE THE VOLUME AS MOST BOXES
- SAVE LABOR...INCREASE PROFITS
- ELIMINATES TROUBLESHOOTING TIME AND COST
- FULLY UPGRADEABLE SYSTEM
- SPECIFIED BY ENGINEERING FIRMS, HOSPITALS, UNIVERSITIES & GOVERNMENT AGENCIES
- AVAILABLE IN ZINC OR RED

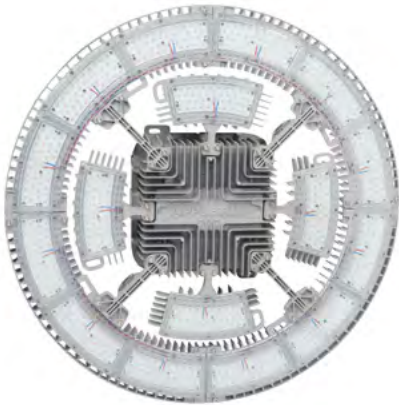
Telecommunications



- INTEGRAL CABLE MANAGEMENT
- SAVE LABOR...INCREASE PROFITS
- FACILITATES MIN. BEND RADIUS REQUIREMENTS
- SUPPORTS CURRENT AND EVOLVING SYSTEMS
- SUPPORTS PoE PLUS
- SPECIFIED BY ENGINEERING FIRMS, HOSPITALS, UNIVERSITIES & GOVERNMENT AGENCIES

20 TOP 21 PRODUCTS

Each year we choose what we believe are **Top Products** in the Electrical Industry market. This year is no different. The products and services chosen are each unique, beneficial and reliable in their own right. Having the ability to choose the tools and services that best fits your job description and your work style is what it's all about. We hope you agree with our choices.



Protect yourself from "Arc Flash"

ARC FLASH LIFT-FRONT HOOD WITH V¹² HIGH-VOLUME VENTILATOR Compact. Powerful. Reliable

Our V¹² High-Volume Ventilator boasts an unexpectedly quiet, high output (35+ CFM) turbine fan to cool and circulate the ambient air within the hood. Fully protected beneath it's durable ABS shell and added fabric layering, the V¹² High-Volume Ventilator isn't just compliant, it's superior.



40 CAL/CM2 ULTRALIGHT CLOTHING BY OTEX

Our new dual-layer Ultralight clothing takes advantage of DuPont's® dedication to scientific advancement and Westex's® industry leading dependability. Weighing in 37% lighter than traditional HRC4 PPE, our Ultralight Clothing is the most innovative contender in the lightweight arena.

HYBRID LAYERING

Combined Fabric Weight: 14 oz

Outer Layer: DuPont® Protera
Color: Navy

Inner Layer: Westex Ultrasoft
Color: Safety Orange



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AEMC® Instruments has a New Hand-held Megohmmeter/Multimeter Model 6529

The Model 6529 is a low cost 1000V digital hand-held Megohmmeter that also offers Multimeter functions. It's simplicity and low price make it ideal for contractors and electricians that need to check the quality of insulation as well as perform basic electrical measurements. It is a True Megohmmeter® in compliance with IEC 61010 and is lightweight, compact, rugged and easy to handle, even when wearing gloves. An intuitive pass/fail indication offering a blue/red backlight makes it very easy to identify defective conditions. It includes an automatic test inhibit if connected to a live circuit as well as automatic discharge at the completion of the test. A relative measurement function called DMR (Differential Mode Resistance), unique to AEMC, provides the capability to compare measurements to a known reference quickly recognizing potential problems. It includes Megohmmeter DAR and PI ratio test functions. Multimeter functions include AC/DC voltage, resistance, and continuity.

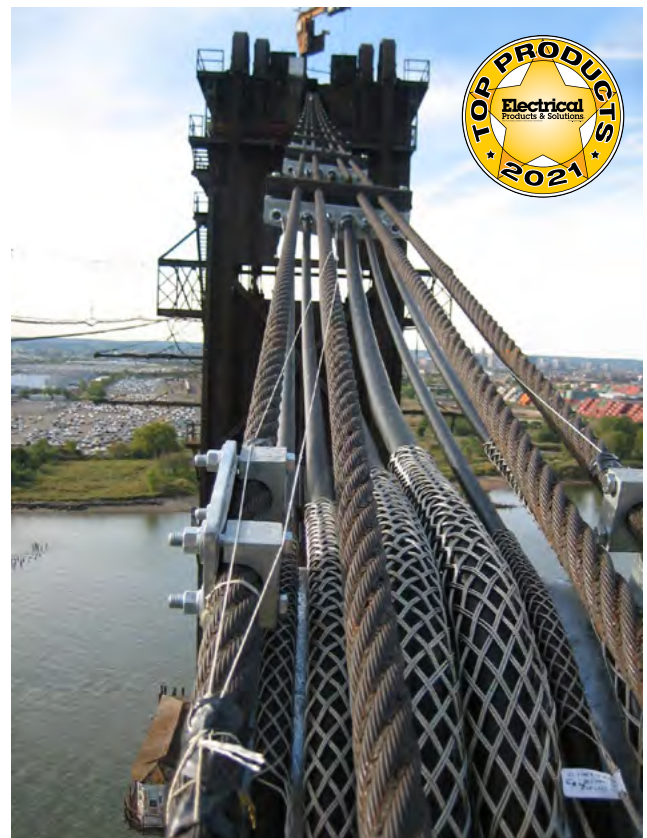
For more information, visit www.aemc.com

Wire Mesh Cable Grips and Accessories

Amtec Corp. was founded in 1988 by David E. Fallon to design, manufacture, and market wire mesh cable grips and accessories. Wire mesh is used in a wide variety of pulling, strain relieving and cable support applications. Cable grips are traditionally used in the utility, industrial, mining, construction and electrical OEM markets.

With the ability to custom design wire mesh grips for your specific needs we are able to ease the process of securing solutions for your requirements. Manufacturing for worldwide applications, from Distribution, to OEM's, Authentic Amtec Grips is your choice for all of your quality wire mesh cable grips.

For more information, visit amtecgrips.com





Appleton™ Mercmaster™ Connect LED Luminaire

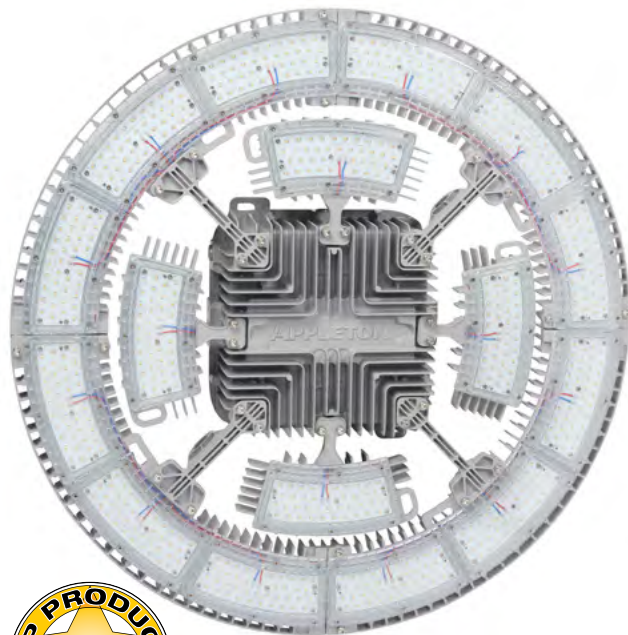
The Appleton™ Mercmaster™ Connect LED Luminaire by Emerson is designed to illuminate hazardous and harsh industrial locations with integrated motion and illuminance sensors. This groundbreaking solution dramatically lowers cost when compared to wired monitoring alternatives, with faster installation time and minimal disruption to plant operations. Mercmaster Connect LED Luminaires are linked wirelessly to Plantweb Insight™ software via Emerson WirelessHART™ network technology. With quick and accurate data analysis made possible by Plantweb Insight, it is much easier to prioritize maintenance and identify potential hazards or failures that may put the safety, reliability, and compliance of a facility at risk.

**For more information, visit
www.appleton.emerson.com**

Appleton™ IHC LED Luminaire

The Appleton™ IHC LED Luminaire by Emerson is the ideal solution to deliver light from mounting heights of 50 to over 100 feet. This innovative solution LED luminaire supports heavy industrial facilities in their drive for continued productivity, lower costs, and better safety. The Appleton IHC is especially ideal for hot areas of a facility, with engineering capable of withstanding maximum ambient temperatures up to 167° F (75° C), like a steel mill, foundry or paper plant. With outputs up to 90,000 lumens, it can supply up to 250% more output than standard LED fixtures on the market, unlocking operational cost-savings for manufacturing facilities by requiring fewer luminaires.

**For more information, visit
www.appleton.emerson.com**



DRIVEN TO DELIVER

THE CONSOLE X



- Clean up those cabs and get your fleet organized!

Your Total Mobile Office Solution

The Truck Console -X combines your Laptop Work Station, Radios, Speakers, Cables, Storage and Cup Holders, No Drill Installation Brackets Included.

The **Truck Console -X** is the latest innovative mobile office solution to join the Mobile Desk brand family of products. This complete control, communication and convenience Utility Truck Console is becoming the new standard for fleets of all sizes. The design of the **Truck Console -X** has originated from our years of experience working directly with the lineman, supervisors, communications, and fleets of some of the most notable utility companies in America. Loaded with standard and optional features that maximize ergonomics, productivity, and fleet/telecom standards into one Mobile Office Solution.

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Our Patented Screen Out App **Stops texting** while driving for all employees on all tablets, laptops and smart phones that run Windows, iOS or Android Operating Systems. *It's that easy!*

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The IMPULSE PHASER

The IMPULSE PHASER was originally developed in the early 1950's to increase personnel safety when working on paper insulated, lead covered cables. Since its introduction, the IMPULSE PHASER has been used safely and reliably by electric utilities throughout the U.S. on solid dielectric cables and paper insulated, lead covered feeders in excess of 20 miles and even on submarine cable 300 feet underwater. Because safety is most important, the IMPULSE PHASER is designed to operate only if the cable circuit to which it is connected has been shorted and grounded. Also, the transmitted signal cannot be imposed on any other cable in the circuit. The IMPULSE PHASER promotes safe, positive identification of cables. The IM-

PULSE PHASER is designed and built to withstand the normal use generally associated with linemens' tasks. Because the IMPULSE PHASER is well constructed, you get an instrument which is economical to purchase and maintain, providing years of reliable service.



For more information, visit www.timcoinstruments.com

Install Peace of Mind! First there was 4 square... And now the REVOLUTIONARY 5 Square Box!

You've struggled with 4 Square boxes for years - you know how small, cramped and time consuming they are. Finally, there is a solution that allows you the space you have always needed. The 5 Square® Boxes (5" x 5" x 2-7/8") provide up to 88 in³ of interior volume which more than doubles that of most existing boxes on the market. Create a robust and unrivaled infrastructure for the life of your facility with the 5 Square® Products!

For more information, visit www.randl-inc.com



PEL 103

Control, Monitor and Manage Power & Energy Usage and Costs

*Locally or from
Anywhere in the World!*

- Affordable, simple-to-use, single-, split-, and three phase power and energy logger
- Provides all power and energy data logging functions for AC & DC distribution systems
- Track individual harmonics and total harmonic distortion
- Includes DataView® data analysis and report generation software
- Automatic recognition of connected sensors
- Bluetooth®, Ethernet and USB communication
- Track time-of-use energy costs
- Complies with NEC 220.87 monitoring requirements and generates the reports.



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front panel,
DataView®
control panel,
or the Android App*



 Android™ App Available

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Innovative Two-Piece Split Conduit and Split Coupler System

As the world leader in split conduit repair products, Conduit Repair Systems' provides an array of products to offer you the perfect solution for your repair needs. Conduit Repair Systems innovative two-piece split conduit and split coupler system is available in ten-foot split conduit lengths, pre-bundled repair kits, split WYE kits, and our industry leading split sweeps.

Conduit Repair Systems' split sweeps are available in a 24" or 36" radius and come in both 45° and 90° sweeps. They are great for electrical conduit applications underground, being encased in concrete, as risers coming up and out of the ground, for solar projects and more. All of our split sweeps are available in the following sizes: 1", 1.25", 1.5", 2", 2.5", 3", 4", 5", and 6".

With our two-piece split conduit system, no tape, straps or clamps are needed. Everything is done in a snap!

**For more information, visit
www.conduitrepair.com**



Type LAFG Liquatite® Flexible Conduit

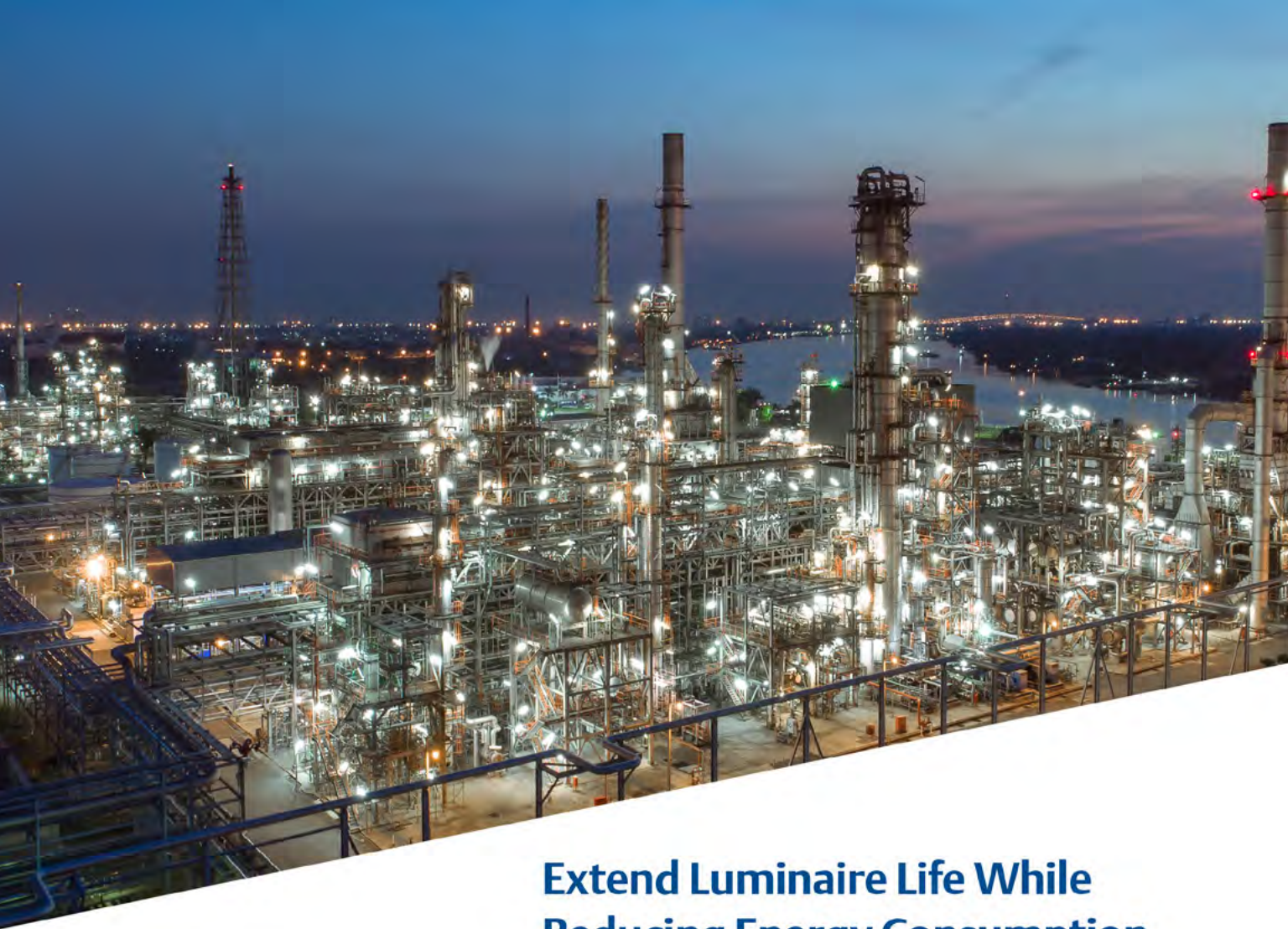
Electri-Flex Company offers Liquatite® flexible electrical conduit Type LAFG, now with an improved PVC jacketing. These enhancements include a food processing blue color, a wider temperature range, and now antimicrobial. Food Grade type LAFG provides a flexible liquidtight protective wiring raceway, ideal for Food Processing, Pharmaceutical, and Bottling Equipment installations.

The food processing blue jacketing has grown in popularity as it provides high visibility for fast moving machinery and operations. Blue coloring is an added safety feature, as manufacturers can easily spot the blue color if fragments break off and get into the product.

The antimicrobial flexible PVC jacketing contains a biocide additive, inhibiting the growth of commonly known food processing microbes, such as E. coli, listeria, and salmonella, and even shows a reduction of these microbes over a 24-hour period.

Type LAFG also has a new wider temperature range, -30°C through 105°C, ideal for installations near heat-producing food equipment.

**For more information, visit
www.electriflex.com**



Extend Luminaire Life While Reducing Energy Consumption

The Appleton™ Mercmaster™ Connect LED by Emerson is designed to illuminate hazardous and harsh industrial locations with integrated motion and illuminance sensors. Paired with Emerson's Plantweb Insight Connected Lighting Application, operators have access to lighting usage data and sustainability analytics.



Appleton™ Mercmaster™ Connect LED

The Mercmaster Connect LED provides facility managers with continuous monitoring of their LED lighting with real-time insights gained into sustainability goals, diagnostics and lumen levels from any remote location at dramatically lower costs as compared to wired alternatives, with faster installation time and minimal disruption to plant operations.

Learn more at: masteringled.com

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OmniMax LED Retrofit

The OmniMax is the perfect fit when updating decorative streetlights to LED. Emulating the burn center and size of HID bulbs the OmniMax utilizes existing fixture optics as intended. A matte finish, molded silicone optic eliminates LED ‘points’ and glare. Built-in smart features, such as Photocontrol Failsafe, which guarantees dusk-till-dawn operation should the fixture photocontrol fail, plus dimming via ConnectLED, Evluma’s wireless mobile app, puts the OmniMax in a class of its own when it comes to retrofits. For use in teardrop, post top, shoebox or globes, the OmniMax installs in any orientation: base up, base down or horizontal; mogul or medium base socket. Need to update your decorative fixtures as well? Evluma’s Build-Your-Own Acorn product line offers curated and customizable globes, capitals and shields. The OmniMax is offered in 40 or 70 watts and six CCT: 2000K – 5000K. 10-year warranty. 100W OmniMax Coming Soon!

For more information, visit
www.evluma.com

Greaves SNAP! Makes Perfect Connections

SNAP! connectors offer time-saving convenience, and the ability to work in tight spaces without bulky tools and dies. Insert your stripped wire, then turn a standard (box or adjustable) wrench to compress the copper body until the pre-calibrated nut snaps off. The result is superior conductivity and pull-out strength. SNAP! Connectors are UL listed. I got tired of hauling around a heavy hydraulic crimper and a full set of dies just to do 3 or 4 simple connections. For inspection, the slots show that the wire is fully inserted. When the connection is completed, the hex nut is gone, showing that the connection is complete and solid. After insulation (cold-shrink, heat-shrink, tape, etc.) the resulting shape without the hex nut is visually apparent. SNAP+ kits include cold-shrink sleeves. SNAP! is available in 1-hole and 2-hole NEMA lugs, and splices, for #2 through 500MCM.



For more information, visit
www.greaves-usa.com



Lighting Your Way at Greater Heights

The Appleton™ IHC LED Luminaire by Emerson is the ideal solution to deliver light from mounting heights of 50 to over 100 feet. With outputs up to 90,000 lumens, an IP66 marine and wet location rating, and an ambient temperature range of -40 °C (-40 °F) to 75 °C (167 °F), the IHC was designed to meet the demands of your harsh industrial environment and lighting requirements.

Learn more at: masteringled.com



Appleton™ IHC LED Luminaire

APPLETON™

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Cordless Cannon 6K

Speed, versatility, and performance are all yours with iTOOLco's Cordless Cannon 6K™. This portable 6,000 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. Capable of pulling up to 52' per minute using a 60V battery, this wire puller delivers dynamic performance in remote locations or areas where power is not yet available.

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.

**For more information, visit
www.iTOOLco.com**



New UltraLite 40 Cal Lift-front Vented Hood

We've listened to our users who perform "non-contact" testing within the arc-flash protection boundary and have release the OTEX lift shield hood. This new style hood will incorporate the Paulson lift shield assembly. The new hood assembly will also have the additional safety features of our standard M12 vented 40 Cal hood such as the patented arc flash sensor, head lamp and the Milwaukee M12 battery powered fan system.

**For more information, visit
www.electricalsafety.com**



Innovative Solution for Harsh Environments and Hazardous Locations

The SolaHD™ SDU AC - B Series DIN Rail UPS by Emerson is perfect for mitigating power quality issues, minimizing loss of data and downtime. The SDU AC - B combines an industry leading compact design, wide operation temperature range, enhanced communication and unique installation options to solve common application problems.

- **Wide temperature range to protect against shortened battery life**, the field replaceable battery rated from 32 °F to 122 °F (0 °C to 50 °C).
- **Optional network communications that support all major protocols**, including EtherNet/IP™, Modbus®, Profinet or EtherCAT.



*SolaHD™ SDU AC - B Series
DIN Rail UPS*



*Active
Comm Card*



*Passive
Comm Card*

Learn more at: www.solahd.com

SOLAHD™

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The Electronic Control Center (ECC)

The ECC combines all your electronics into a single no drill package, and you get to keep your center seat!

This ECC Package Includes:

- Your Fully Adjustable Laptop or Tablet Mount
- Your Mobile Radio Mount
- Microphone Clip
- Your Handheld Radio Charger Mounts
- Variable Shutdown Timer
- PDU (12 Volt Power Distribution Unit)
- Ring Terminal Buss
- No Drill Base Installation



**For more information, visit
www.mobiledesk.com**

electri-flex
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Roselle, IL 60172-1994 USA
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UL SP

iquatite® flexible conduit Types LAFG and LSSFG now have an improved antimicrobial PVC jacketing that contains a biocide additive, actively inhibiting the growth of commonly found food processing microbes and even *reducing* them over a 24-period. The blue jacketing is a highly visible color, not naturally occurring in the food chain, making any plastic contamination in the product stream easy to spot. The wider temperature range of -30°C through 105°C allows for hot wash downs and installation near heat-producing equipment. These conduits are Certified Components for NSF/ANSI 169, meet FDA CFR 21, and NSF 51/61 requirements.

- **Now Antimicrobial**
- **Food Grade Blue Jacketing**
- **Wider Temperature Range**
- **NSF Certified Component**
- **FDA-approved compound in PVC**



Compact and Easy to Install DC UPS for Harsh Industrial Locations

The SolaHD™ SDU DC - B Series DIN Rail UPS by Emerson are perfect for mitigating power quality issues, minimizing loss of data and downtime.

The SDU DC - B UPS combines an industry leading compact design, wide operation temperature range -15 °C to +50 °C (+5 °F to +122 °F), enhanced communication and unique installation options to solve common application problems.

Learn more at: www.solahd.com



SolaHD™ SDU DC - B Series DIN Rail UPS

SOLAHD™

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SolaHD™ SDU AC-B UPS

The SolaHD™ SDU AC-B UPS by Emerson is perfect for mitigating power quality issues, minimizing loss of data and downtime. The SDU AC-B UPS combines a very compact footprint with a wide operation temperature range (0° to 50° C), while offering a network communications option that supports all major industrial protocols. Built rugged for harsh and hazardous locations, it helps manufacturers and data centers by bridging power failures during outages to allow for safe shutdowns of machinery, and by mitigating power

quality issues that adversely affect critical loads, therefore minimizing work interruptions, long restart cycles and the loss of data at the point of use.



For more information, visit
www.appleton.emerson.com

SolaHD™ SDU DC-B UPS

The SolaHD™ SDU DC-B UPS by Emerson helps improve availability of mission-critical devices, while simplifying commissioning, reducing maintenance, and driving down the Total Cost of Ownership across multiple industries. Leveraging microprocessor-based controls, the SolaHD SDU DC-B bridges power to machinery in the event of a brief disruption, as well as allows for safe shutdown of devices during a mains failure, therefore preventing data loss, work interruptions or equipment damage. With an input voltage range of 22.1 Vdc to 28.6 Vdc, the SolaHD SDU DC-B also provides a consistent flow of clean power by filtering noise and isolating damaging transients that are common in applications such as automotive manufacturing, material handling conveyors, the life sciences, pharmaceuticals processing, and “pick and pack” areas in distribution centers.



For more information, visit
www.appleton.emerson.com



Fire-Rated Speaker Cover

The Fire-Rated Speaker Cover is a dome-shaped intumescent enclosure which has been designed to help maintain the integrity of fire-rated ceilings for 60 minutes when using in-ceiling loudspeakers. With the entirety of the enclosure being composed of a proprietary intumescent material, the cover will expand internally 5x in the event of a fire, completely sealing off flames and heat. With this unique design, the flexible and lightweight enclosure gives the architect, sound professional, and installer more freedom in speaker selection as the covers are suited to fit a wide range of in-ceiling loudspeakers up to 10”. The covers do not require any assembly and are placed within seconds.



For more information, visit
www.tenmatusa.com



An innovative way to join 2 pcs of conduits SCH40 PVC by not exceeding outer dimension of conduits.



Duct bank projects often are being prefabricated on site or at a shop at a contractor place near the trench location . PVC Conduits of that trench section come in 20,40 or 80 ft length and lowered in a trench at one time. Often breakage of conduit occur for many reasons. When that happens contractor has an issue trying to fix the repair. Transition coupling inside to inside pvc is the solution. You join 2 pcs of conduit at breakage point by reaming out both pcs of conduits ,applying cement glue to both ends of a tapered part fitting and completing repair without touching prefabricated system of your trenched conduits solving a very serious headache. The product is used in a variety of ways not only for repair jobs, but new installation as well. Manholes often require joining conduits together, stub ups coming out of slabs require same installation method and this is a unique way to completing that install.

For more information, visit www.spproducts.com

Electro Post CAT# EP-10 Box Support Plate

Mount boxes quickly to either side of bracket
Works with all stud wall widths 2.50" 3,625" or 6".
Safer solution -No need to reach all the way up to the building steel eliminating need of using ladder in excess of 10' height or more.



Simply fold bracket in under 5 seconds forming a cylinder, placing tabs in 3 slots to secure it in place.
Attach box or boxes to either side of EP-10 as shown in picture above.
5 times faster than current installation methods.
Mount boxes by eliminating height dangerous jobs.
Strong 24 gauge galvanized steel.
Safer for electricians to work with, accessible and consistent height thru-out building.
No tools needed during installation other than a screw gun and screws.
Square tube design allows to install boxes on opposite sides of the pre punch post.



For more information, visit www.spproducts.com



PVC Tapered to Threaded Transition Couplings to PVC Conduits Exiting Concrete Slab For SCH40 or 80 PVC

Transition in less than 5 minutes.
Save cost on rigid nipple, tape and labor.
Use them for entire job , not just repair.
Great way to transition from PVC stub up to PVC conduit above slab without damaging PVC risers and chipping concrete, eliminating a concrete repair job.
Transition Fitting is manufactured in accordance with NEMA TC2,TC3 or UL 651 specifications.



Made in USA
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For more information, visit www.spproducts.com



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FOR SAFER BETTER FASTER JOBS

2021 NECA
Show Stopper
WINNER

Transition Couplings



**PVC Schedule 40 & 80 to
Inside PVC to Inside PVC
When Exiting Concrete Slab**

**Save
at Least
1 Hour per
Installation.**

NEW

**Transitions in
Less Than 5 Minutes!**

**Save Cost on the Rigid
Nipple, Tape & Labor**

**Use for Entire Job -
Not Just for Repair**



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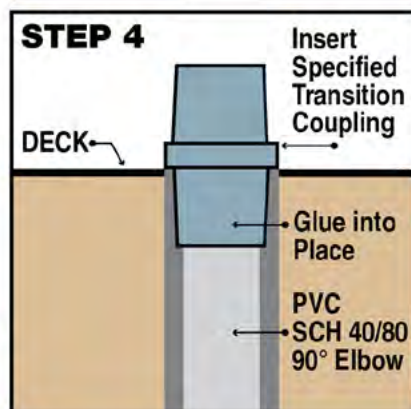
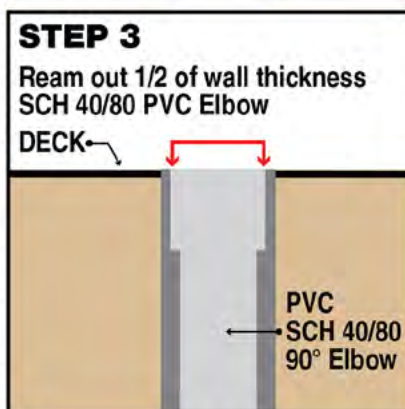
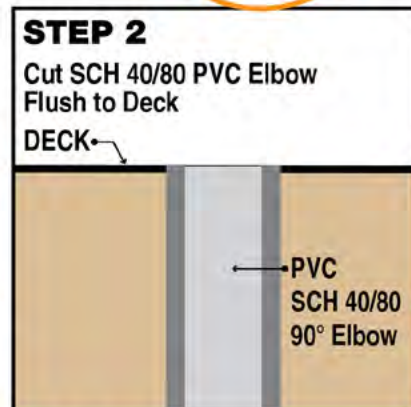
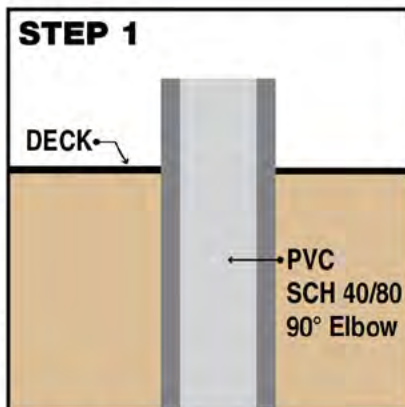
1/2" thru 6"

Transition Couplings

Size	Catalog #
1/2"	50PVC-IN/PVC-IN
3/4"	75PVC-IN/PVC-IN
1"	100PVC-IN/PVC-IN
1 1/4"	125PVC-IN/PVC-IN
1 1/2"	150PVC-IN/PVC-IN
2"	200PVC-IN/PVC-IN
2 1/2"	250PVC-IN/PVC-IN
3"	300PVC-IN/PVC-IN
3-1/2"	350PVC-IN/PVC-IN
4"	400PVC-IN/PVC-IN
5"	500PVC-IN/PVC-IN
6"	600PVC-IN/PVC-IN

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

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



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IP13k

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- ◆ Proven reliability
- ◆ Compact design
- ◆ Lightweight

Wayfind'r - Impulse cable tracer

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

Impulse Phaser - Cable / phase system

- ◆ Accurately identifies cables in trenches, vaults, conduits and enclosures
- ◆ Accurately identifies phases in multi-conductor cables
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IP3b

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Meets Flexible Mandrel Test Requirements

Bore Spacers

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Roll assembled conduit into caissons and under obstructions

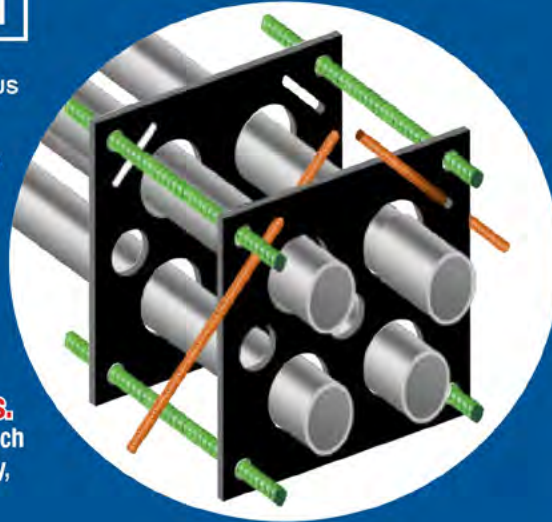
IP2



IP1



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No Workers Below - Prevents Injuries and Deaths.
Also Allows Digging a Narrower Trench for Less: Excavation, Concrete, Slurry, Backfill & Shoring.

IP13A-F

Conduit Transition Couplings



PVC Schedule 40 & 80
Transitions in Less Than
5 Minutes

PATENT PENDING



IP15

End Bell Adapter
Schedule 40/80 PVC



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Save Cost on the Rigid Nipple, Tape & Labor
Use for Entire Job - Not Just for Repair

IP14a

1 Piece Reaming Bit
1/2" thru 6"
Schedule 40/80

Plus More Being Invented for **SAFER BETTER FASTER** Jobs . . . Call With Your Ideas!



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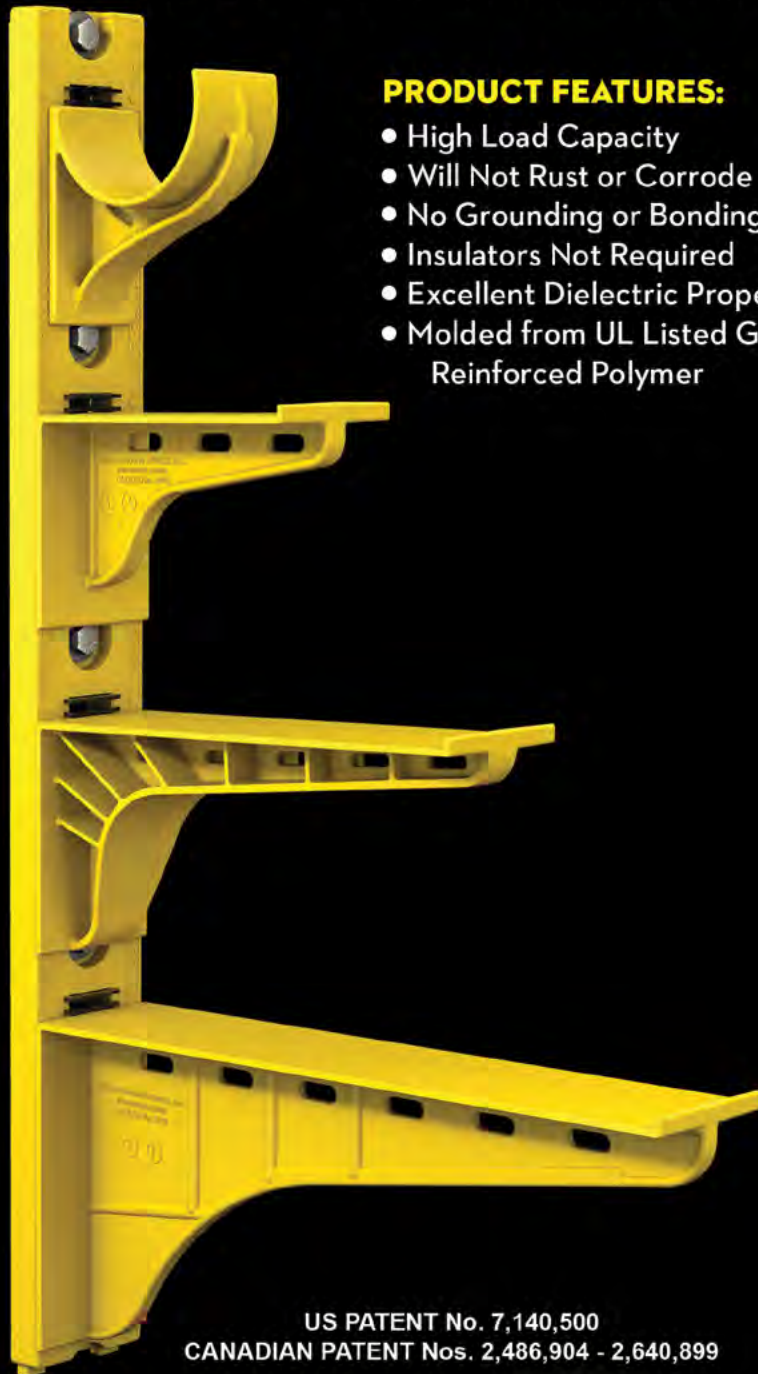
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HDL Arm Lock shown with
RA04 Arm and CR36-B Stanchion



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



RA08 - 8" arm shown with three
cables secured by cable ties.

US PATENT No. 7,140,500
CANADIAN PATENT Nos. 2,486,904 - 2,640,899

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