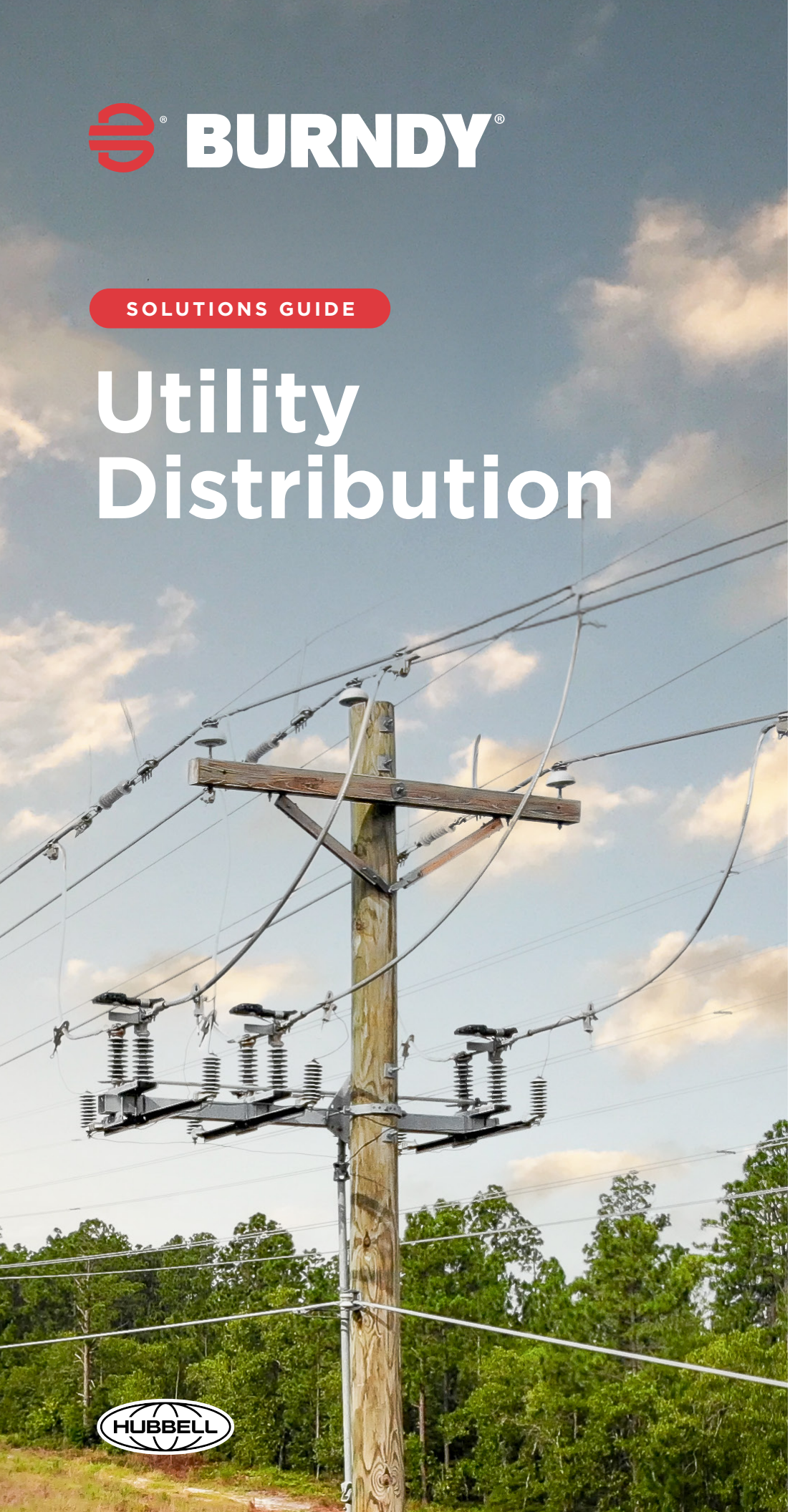
BURNDY®

SOLUTIONS GUIDE

Utility Distribution



HUBBELL

Splices

Run / Tap

Switches & Safety

Underground Connectors

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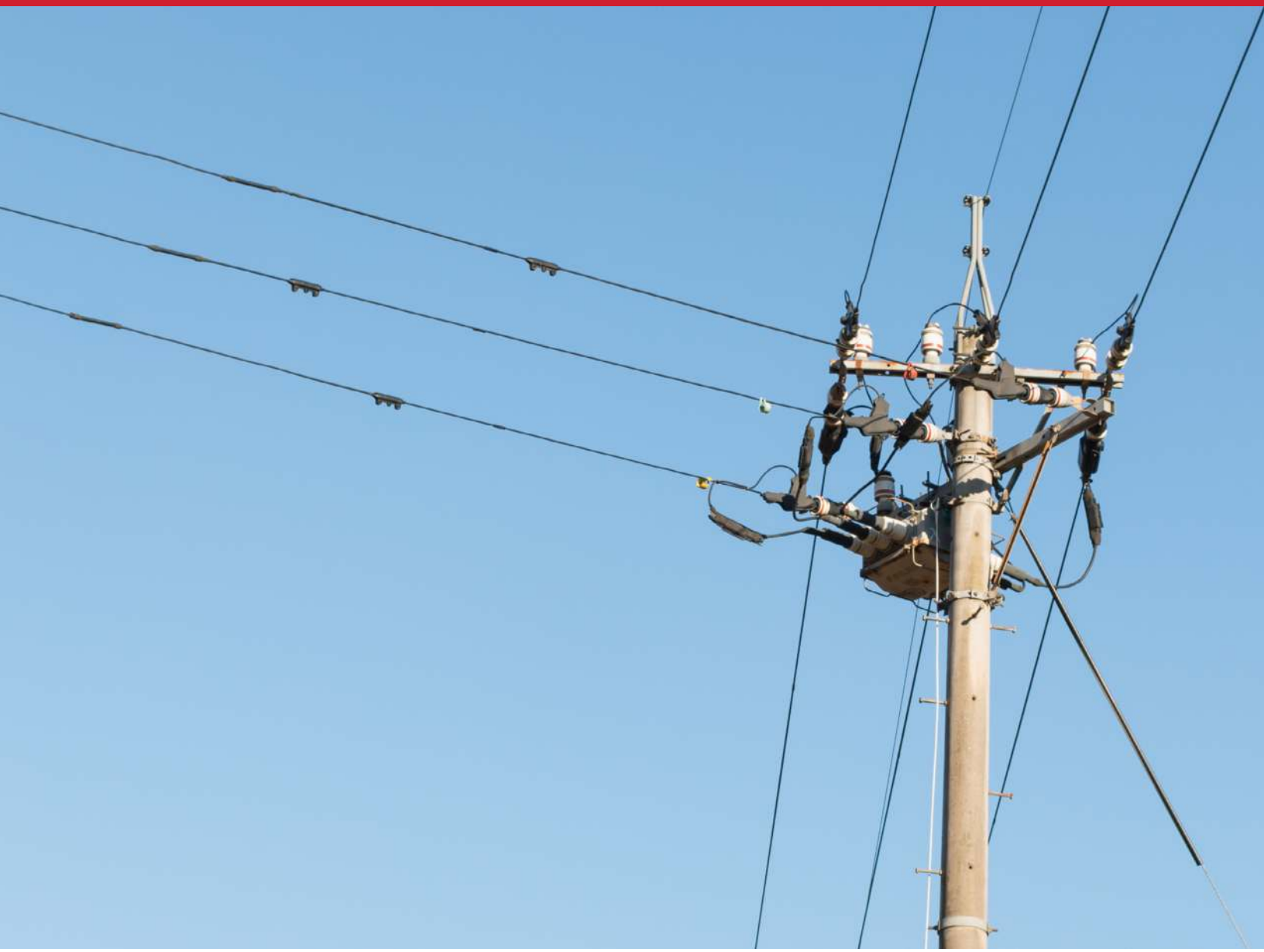


Splices

Burndy compression and CPI automatic splices provide a dependable, economical, and easy-to-install method of splicing overhead distribution lines. They accommodate all common conductors including copper, AAC, ACSR, AAAC, ALUMOWELD, COPPERWELD, and steel for primary, secondary, and service applications. Splices also accommodate tension ratings for minimal, partial, normal, and full tension applications.

Splices

HYSPLICE™ & UNISPLICE™ (Type YDS, YDS-A, YDS-RL)

- Aluminum and copper
- Rated for minimum to full tension applications
- Oxides removed and prefilled with inhibitor at factory
- Installed with BURNDY tooling

HYREDUCER™ (Type YCR, YDR)

- Copper and aluminum
- Splices different size wires for connecting legacy wire
- Oxides removed and prefilled with inhibitor at factory
- Installed with BURNDY tooling

Replacement (Type YDSR-RL)

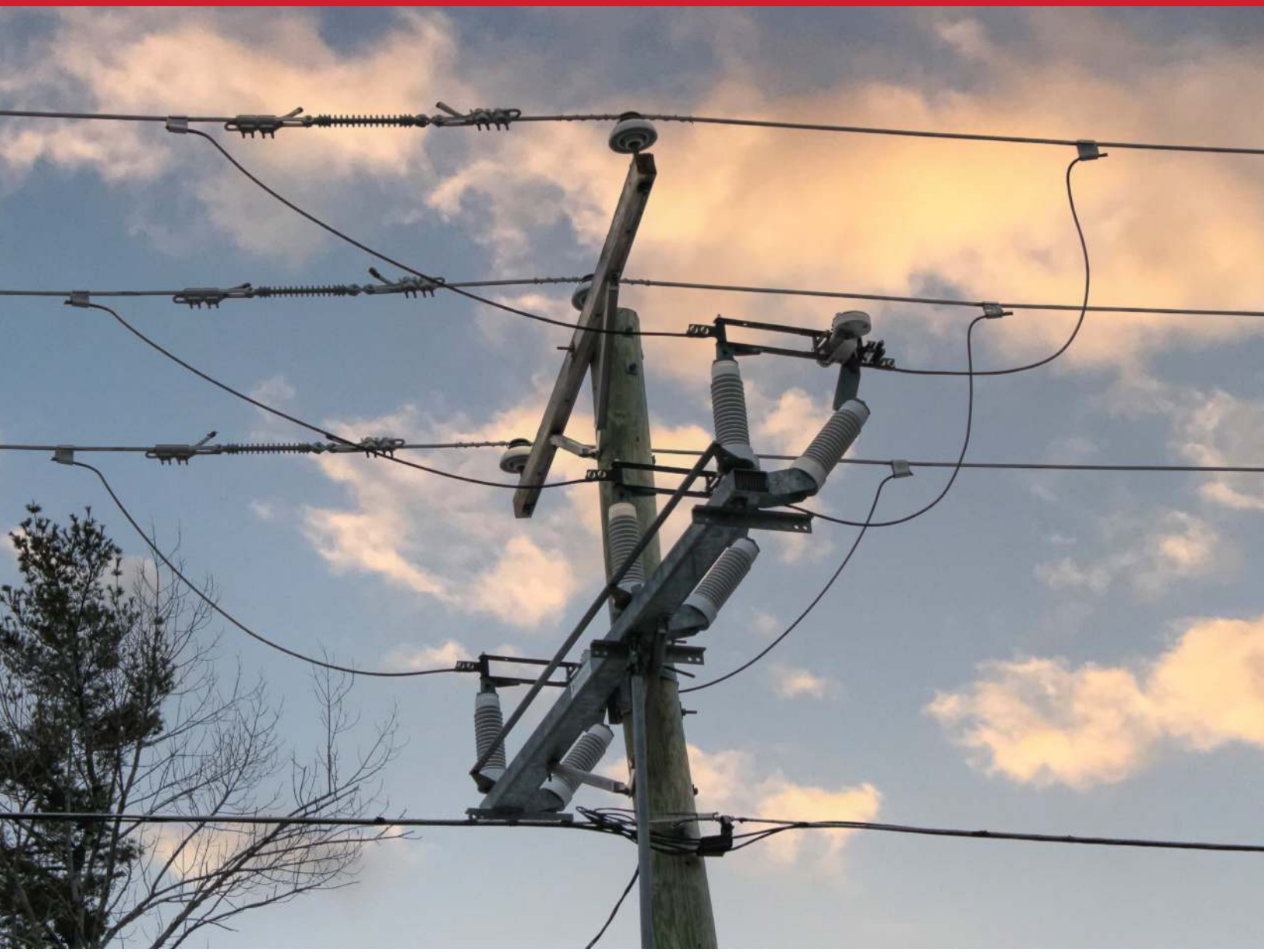
- Extra long splice fills the void left after cutting out existing splice for replacement
- Eliminates need for two splices and extra conductor
- Oxides removed and prefilled with inhibitor at factory
- Installed with BURNDY tooling

INSULINK™, LINKIT™ (Type ES and YSU)

- Preinsulated and bare splices for connecting service and secondary connections
- Oxides removed and prefilled with inhibitor at factory
- Installed with BURNDY tooling

Automatic Splice

- Open design helps prevent corrosion by allowing water and contamination to drain
- Requires a minimum of 5% tension to maintain a secure electrical connection
- Features a solid center stop to precisely position the conductor
- Equipped with a slider handle that allows for easy release of the splice when needed



Run / Tap

The Burndy and CPI lines of bolted, compression, and fired-on connectors provide a wide range of unique features for every application. They accommodate all wire combinations from aluminum to aluminum, to copper to copper, and everything in between for primary, secondary, and service applications. From old work horses like split bolts, to state of the art connectors like FASTAP™ and bolted wedge, the Burndy and CPI connectors offer reliable and easy-to-install features, perfect for every day construction to storm restoration.

Bolted WEJTAP™ & Bail Connectors

Aluminum Captive Interface Shear Bolt WEJTAP™ Connector

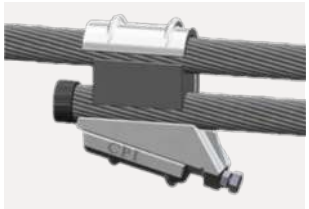
- New captive interface has no loose components and allows conductor-side entry, which simplifies installation
- Meets or exceeds current carrying capacity of conductors being connected
- Accommodates Al to Al and Al to Cu
- Installed with a wrench

NEW

**New captive shear nut available*

Aluminum Shear Bolt WEJTAP™ Connector

- Spring-like high strength C-Body ensures permanent connection with consistent pressure on conductors
- Meets or exceeds current carrying capacity of conductors being connected
- Accommodates Al to Al and Al to Cu
- Installed with a wrench



Copper Shear Bolt WEJTAP™ Connector

- Spring-like high strength C-Body ensures permanent connection with consistent pressure on conductors
- Designed for use as a permanent connection on copper wire or solid rod
- Installed with a wrench

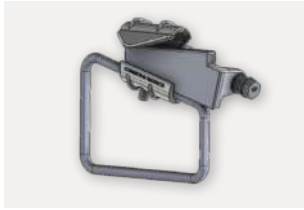
Standard Shear Bolt WEJTAP™ Bail

- Heavy-duty tin-plated bail has a large loop to allow for multiple connection positions while also eliminating galvanic reaction
- Copper and Aluminum connections available
- #2 to 4/0 Copper bails available
- Installed with a wrench

Interfaceless Shear Bolt WEJTAP™ Bail

- Heavy-duty tin-plated bail has a large loop to allow for multiple connection positions while also eliminating galvanic reaction
- No loose interfaces to drop, which simplifies installation
- Installed with a wrench

NEW



WEJTAP™ Fired Wedge Connectors

Aluminum

- Uses fired-on wedge technology
- Accommodates aluminum to aluminum and aluminum to copper connections
- Spring-like C-Body provides high reliability connection
- Repeatable installation
- Meets ANSI AA Heat cycle ratings
- Requires use of BURNDY WEJTAP™ tools and booster

Copper

- Uses fired-on wedge technology
- Accommodates copper to copper connections
- Spring-like C-Body provides high reliability connection
- Repeatable installation
- Meets ANSI AA Heat cycle ratings
- Requires use of BURNDY WEJTAP™ tools and booster

Bails

- Uses fired-on wedge technology
- Accommodates aluminum to aluminum and aluminum to copper connections
- Spring-like C-Body provides high reliability connection
- Repeatable installation
- Meets ANSI AA Heat cycle ratings
- Requires use of BURNDY WEJTAP™ tools and booster

Tools

- One piece tool with safety redundancy built in
- Boosters with redundant safety features provide reliable installations

Mechanical

FASTAP™ (Type UCT)

- Spring load feature “holds” conductor to ease installation
- Duckbill provides handle for installation simplification
- Four connectors accommodate #8 to 556
- Available in copper and aluminum
- Shear nut technology available to take the guess work out of knowing “how tight is tight”

SERVIT® Split Bolt (Type KVS, KVSU)

- The original split bolt
- Perfect for power and grounding applications
- Available for copper or Universal applications

OKLIP™ (Type KVS)

- Heavy duty copper clamp
- Highly range-taking
- Available for copper and universal applications

Covers

- Covers available for most mechanical connections
- Designed for easy installation with gloves

Compression

CRIMPIT™ (Type YGC)

- UL 467 Listed
- Prefilled with PENETROX™ oxide inhibitor for extended service life and better grip of solid conductors

HYCRIMP™ (Type YHO)

- Line tap for copper, aluminum, ACSR, or compact conductors
- Bendable tabs secure both run and tap conductors

LOKTAP™ (Type YHO)

- Range-taking device accommodating many combinations of conductor
- Contains C groove for street light taps

CABELOK CRIMPIT™ (Type YP)

- Wire range, universal and reversible
- Adjustable overhanging spacer that separates conductors

Covers

- High Density Polyethylene Cover
- One piece design, no extra hardware needed

Hotline Clamps

Straight Tap

- Allow connection direct to the main conductor
- Designed for easy installation and removal without damaging the conductor
- The stainless-steel eye bolt enhances strength and offers superior corrosion resistance
- Range-taking; accommodates a wide range of conductor sizes

Angled Tap

- The angled design of the tap side provides additional clearance for the tap conductor when utilizing a shotgun stick
- Allows connection direct to the main conductor
- Designed for easy installation and removal without damaging the conductor
- The stainless-steel eye bolt enhances strength and offers superior corrosion resistance
- Range-taking - Accommodates a wide range of conductor sizes

Bail

- Copper bail is tin-plated to prevent galvanic reaction between dissimilar metals
- Designed for easy installation and removal without damaging the conductor
- The stainless-steel eye bolt enhances strength and offers superior corrosion resistance
- Range-taking; accommodates a wide range of conductor sizes
- 1 or 2 eye bolt versions

Special Applications

- ½”-13 threaded tap hole
- Typical applications are reclosers, transformers, lightning arrestors, cutouts, current-limiting fuses
- Allows connection direct to the main conductor
- Designed for easy installation and removal without damaging the conductor
- The stainless-steel eye bolt enhances strength and offers superior corrosion resistance

Switches & Safety

WEJTAP™ Bolted Wedge In-Line Disconnect Switch (Type WADM-H)

- Bolted hybrid connector combines bolted technology with wedge features to make a reliable connection while taking out the guess work of knowing when "tight is tight"
- Spring-loaded pivot retainer snaps onto the conductor, freeing the hands of the installer to quickly and safely complete the installation
- Dual insulators minimize the switch rotation during opening and closing, especially in mid-span applications

Parking Stand for Tap Connectors

- Designed to securely hold tap connectors needed for connecting devices such as reclosures and switches during maintenance operations
- Bracket constructed from bronze with a tin-plated finish
- Rated for up to 15kV
- The parking stand insulator can be easily mounted onto a wooden pole using a 3/4"-10 lag bolt

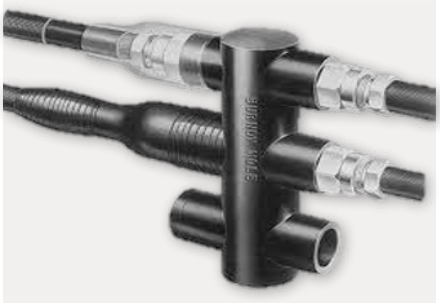
Underground Connectors

Burndy specializes in engineering devices for underground electrical systems, enhancing connectivity and protection against fault currents. Our underground products are designed for both radial and network systems including underground residential distribution. This section will help utility personnel familiarize themselves with the range of underground solutions we offer.

Secondary Connections

Insulated Connectors - Submersible

- Multiple outlet connector versions rated up to 3000A
- Allow the connection of multiple Moles together if a greater number of outlets is required
- Accepts a wide variety of arrangements of cables
- Installed cables can be easily removed
- Cable sizes can be increased by changing the socket, nut, and cone assembly
- Rated for up to 600V



Transformer Connectors

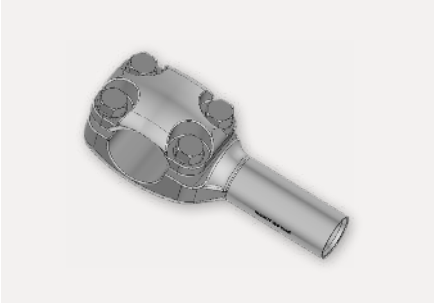
- Multiple outlet connector versions rated up to 3000A
- Accepts 1 ½" and 3" stud diameters
- Variety of styles with numbers of outlets
- Accepts a wide variety of arrangements of cables
- Installed cables can be easily removed
- Cable sizes can be increased by changing the socket, nut, and cone assembly
- Rated for up to 600V

Insulated Connectors - Submersible / Direct Burial

- Features disconnectable joints that enable the addition of new services without disrupting existing installations
- Eliminates the need for taping through the use of insulation kits, available in heat shrink or force-fit rubber options
- Submersible and direct burial connector
- Rated for up to 600V

T-Connectors

- Used on ring buses
- Can be connected to high-capacity limiters
- Allow disconnection from the run conductor
- Tin-plated



Limiters

Cable Limiter (Cable to Cable / Cable to Mole)

- Designed to clear in overload and fault current events that are great enough to cause damage to the cable insulation
- Does not clear under minor overloads of shorter duration
- Cable to cable and cable to Mole versions available

Replaceable Link Limiter (Cable to Cable / Cable to Mole)

- Works the same way as the other cable limiters, but provides a quick and inexpensive way to replace the cleared link
- Cable to cable and cable to Mole versions available

Lug Limiter

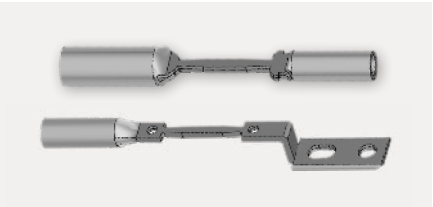
- Combines the function of a terminal and a fuse
- Designed to clear in overload and fault current events that are great enough to cause damage to the cable insulation
- Does not clear under minor overloads of shorter duration

T-Tap Limiter

- Suitable for making limiter connections to a cable ring bus in a manhole or transformer vault
- Designed to clear in overload and fault current events that are great enough to cause damage to the cable insulation
- Does not clear under minor overloads of shorter duration

Link Limiters

- Links to be replaced in installed cable limiters that cleared due to a fault or overload event



Splices

URD Insulated Splice Kit (Aluminum to Aluminum and Aluminum to Copper)

- Kit consists of heat shrink sleeve and splice sleeve
- #2-350kcmil
- Rated for up to 600V

Hyreducer™ Splice (Aluminum/Copper)

- Solid center stop for use with oil filled and non-oil filled conductors
- Tin-plated version available
- #2–1000kcmil – Aluminum
- #6–1000kcmil – Copper
- Rated for up to 35kV

Related Product Solutions

Transmission

OPGW Dead End
OPGW Extension Links
OPGW Down Lead Clamps

Tooling - Crimp / Cut

PATRIOT® Crimpers & Cutters
Accessories
Dies

Grounding

Mechanical
Compression

Substation

Copper & Aluminum Terminals
T-Connectors
Stud Connectors
Bus Supports

Additional Resources

Customer Service
1-800-346-4175

Sample Requests
Contact your local Territory Managers

Hubbell University
Learn more about products and technologies

Competitor Cross-Reference

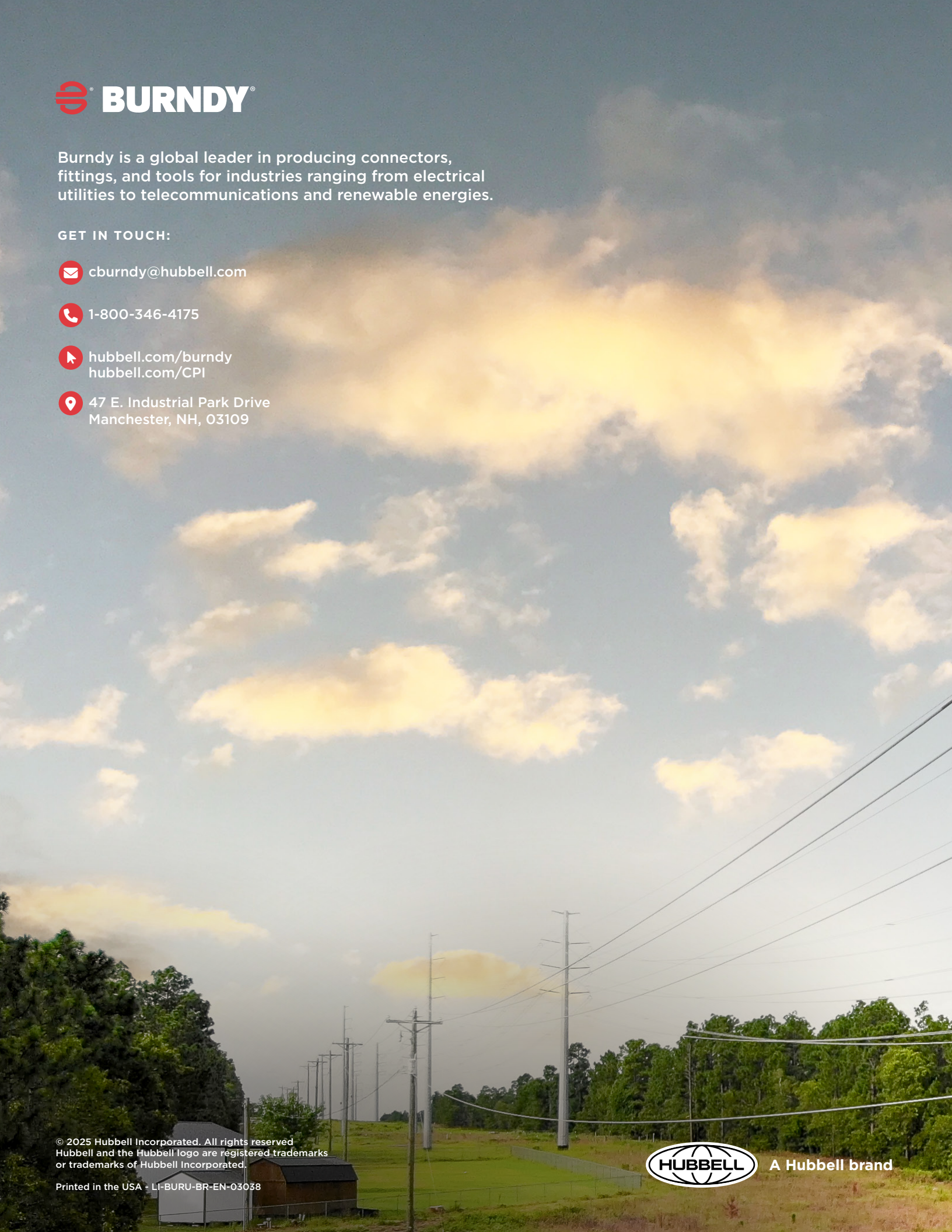
Literature
Brochures, drawings, installation instructions

Connector Theory & Application
Read more about how connectors work

Master Catalog
Learn more about the entire portfolio of Burndy and CPI connectors

Newsletter Sign-Up

About Burndy



BURNDY®

Burndy is a global leader in producing connectors, fittings, and tools for industries ranging from electrical utilities to telecommunications and renewable energies.

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