

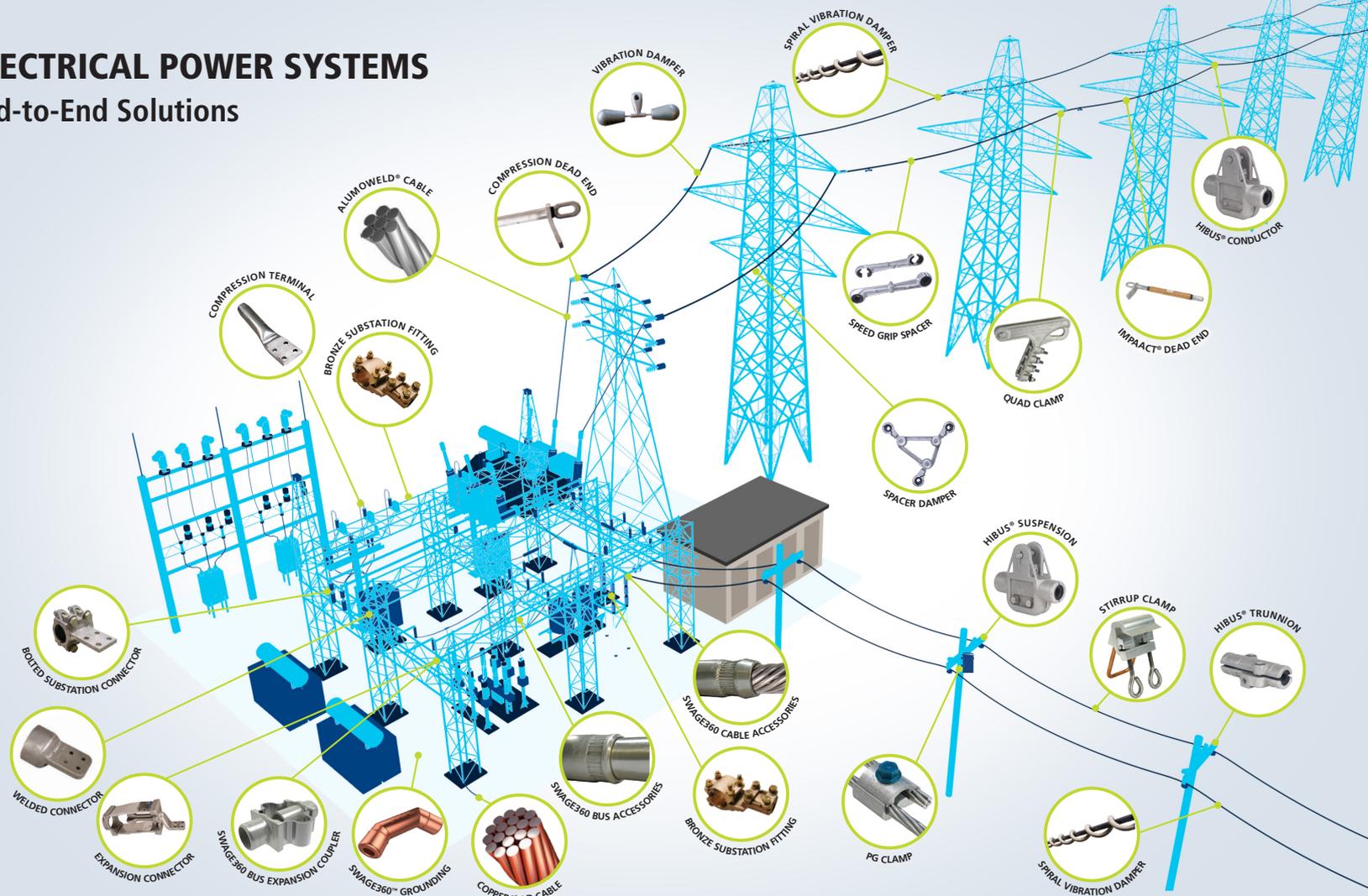


## ACCESSORIES

Transmission & Distribution | Network Underground | Software | Tools | Wire Products  
Formed Wire | Wedge Connectors | Fiber Optic Cable Hardware | Substation

# ELECTRICAL POWER SYSTEMS

## End-to-End Solutions



# Transmission & Distribution



## HiTemp® Compression Accessories

Designed for ACSS, ACSS/TW and new composite conductors to handle temperatures up to 250°C.



## Quick Compress Alloy Compression Accessories

Designed for fast, easy installation, the compression length has been shortened for fewer compression bites using a high strength alloy. Accessories are pre-filled.



## Standard Compression Accessories

Dead ends, jumper terminals, joints, T-taps, repair sleeves and terminal connectors. Designed to operate at temperatures lower than that of the conductor.



## Solo HD® Compression Accessories

Dead ends and joints for use on ACSR and ACSS conductors. Reduces installation time by using one single compression die set through the complete installation.



## Composite Core Conductors

Designed for high temperature, low Sag conductors — ACCC, C7, ACCR and TS.



## PG Clamps

Features a patented parallel groove. Used for clamped stranded aluminum conductor connections.



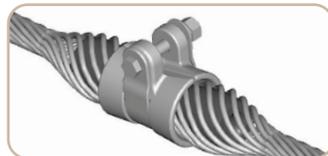
## Speed Grip® Spacers

The Speed-Grip spacer employs elastomer bushed clamps to firmly grip the conductor. The special design allows rapid installation without special tools.



## Vibration and Spacer Dampers

Vibration Dampers dissipate damaging motion caused by aeolian vibration to extend the life of a transmission line. Spacer Dampers combine the function of a spacer in maintaining conductor separation and the function of a damper in controlling aeolian vibration and oscillation.



## GSA Series

Designed to supplement protection of the conductor at the point of transmission and distribution.



## HIBUS® Series Conductor Suspension

Designed to reduce static and dynamic stress without the use of armor rods or line guards.



## Compounds

Broad range of filler and joint compounds, improves holding power and connections. For compression and flat surfaces.

## Network Underground

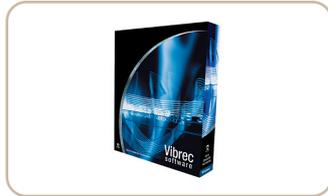


**MICON Load Limiters**  
MICON Network Underground Load Limiters for system protection. Allows for fusible connection points in the secondary network.



**MICON Multi-Outlet Connectors**  
MICON multi-outlet, pre-insulated connectors for secondary network systems. Available in 1,500, 2,500 and 3,000 amp ratings. All sizes of mechanical conductor compression cones are available.

## Software



**Vibrec®**  
Vibration analysis software that determines quantity and placement of dampers and spacers.

## Tools



**Presses**  
A variety of hand-held and hydraulic presses available to suit your application.



**Pumps**  
10,000 psi electric and gas-powered pumps, single or double-acting available.



**Compression Dies**  
For use with AFL and other presses, specifically designed for AFL compression accessories.

# Wire Products



**Alumoweld® Aluminum Clad Steel**  
Provides superior corrosion resistance and excellent electrical conductivity. Same tensile strength as extra high strength steel but weighs 15 percent less. More conductive than galvanized steel and aluminum.



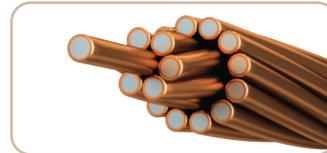
**ACSR/AW Core Wire and Strand**  
Used highly corrosive environments (coastal regions or areas with industrial pollution). Its high strength, good conductivity, superior corrosion resistance, and compatibility with solid aluminum wire are the reinforcing material for ACSR and ACSS conductors.



**Alumoweld Type M Guy Wire**  
Provides non-rusting, high-strength guys for electrical distribution and transmission lines, communications and signal lines, antenna towers, masts, stacks, and other structures. Features high tensile strength with a thick cladding of aluminum.



**Alumoweld Overhead Ground Wire**  
Provides protection against damage from lightning or the occasional fault with its conductivity, corrosion resistance, and high strength. Weighs 15% less than steel strand. Can be installed to the same sags as steel with lower tensions and lower stresses on the towers or supporting structures.



**Copperclad Steel**  
Applications include substation ground grid, trench grounding and pole ground wire. Also used as overhead ground wire and messenger wire. Available in single, 3, 7 and 19 strands for variety of conductor sizes.



**DSA Jacketed Copperclad Steel**  
Jacketed design further reduces copper theft. Available in grey or black with green stripe PVC jacket.



**HS/EHS Copperclad Steel**  
High Strength (HS) and Extra High Strength (EHS) copperclad steel wire resists mechanical damage caused during installation plus electrical damage during a fault condition.



**Copperclad Composite Conductors**  
Provide strength and conductivity by combining hard drawn copper with 30% conductivity EHS Copperclad Steel Wire. Also achieves a higher tensile strength and features a higher ampacity for the same wire size as standard Copperclad Steel Wire.



**OnyxCCS® Copperclad Steel Wire**  
OnyxCCS offers the same benefits as standard Copperclad Steel (CCS) while protecting against copper theft. In addition to the inherent strength of a CCS product, OnyxCCS has a chemically-etched surface treatment which permanently darkens the standard CCS.

# Formed Wire



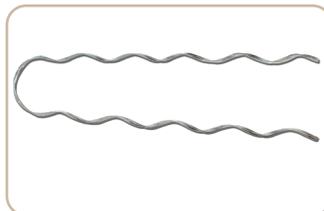
## Armor Rods

Designed to protect conductor by reducing bending, compression, and abrasion at the support point and against flashover damage. Recommended for spans greater than 300 ft. (91 m). For use with ACSR, AAC, AAAC, ACSS, SSAC, TW Types and ACAR conductors, Alumoweld® and steel ground wire.



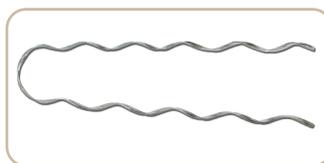
## Line Guards

Protects the conductor by reducing bending, compression, and abrasion at the support point, particularly where hand-ties are used. Recommended as protection for spans of less than 300 ft. (91 m). For use with ACSR, AAC, AAAC, ACSS, SSAC, TW Types and ACAR conductors. Manufactured with right-hand lay as standard.



## Distribution Dead Ends

Recommended as a replacement for Bare Looped Dead Ends because of stronger loops and higher holding strengths on ACSR cable. Available in aluminum-covered steel Grips and galvanized steel Grips are used for plastic jacketed conductors. Designed for single pole distribution construction.



## Service Dead Ends

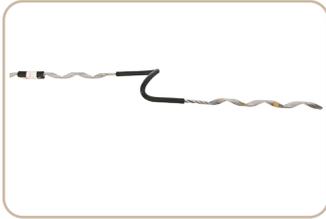
Used to make service drops on bare neutral messengers of self supporting cable. Applied to spool insulators or wire holders with a smooth contour and diameters  $\geq 1$  inch and  $\leq 3$  inches.



## Guy Dead Ends

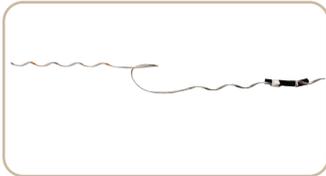
Designed for guying of poles in the construction of power and communication lines. For use with standard guy strands of 1-inch diameter or less. Guy Dead Ends can be applied to galvanized steel or Alumoweld® guy wire.

# Formed Wire



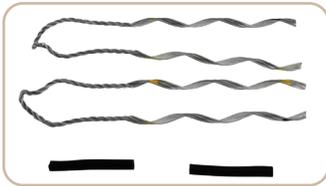
## Longspan Ties

Recommended as an improvement over Armor Rods secured with hand tie wire. For areas subject to both wind sway and vibration, Longspan Ties provide superior abrasion protection and are superior to a well-made hand tie/Armor Rod combination in regard to conductor fatigue.



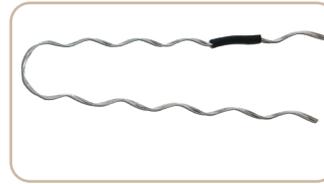
## Distribution Ties

Recommended as an improvement over Armor Rods secured with hand tie wire and clamp top insulators. When installed with a pad on bare conductor, they provide superior protection against abrasion and all types of conductor motion.



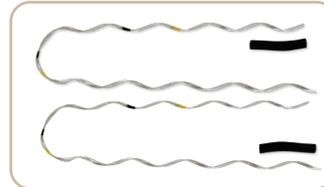
## Double Support Ties

Recommended as an improvement over Armor Rods secured with hand tie wire. For areas subject to both wind sway and vibration, these provide superior abrasion protection, to a well-made hand tie/Armor Rod combination for conductor fatigue.



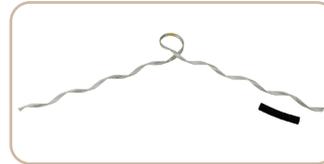
## Side Ties

Recommended for improved use over Armor Rods secured with hand tie wire, and clamp top insulators. When installed with a pad on bare conductor, they provide superior protection against abrasion and all types of conductor motion.



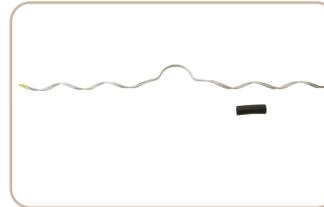
## Double Side Ties

Designed for double cross arm conductor support and provide superior protection against abrasion and all types of conductor motion. Recommended as an improvement over Armor Rods secured with hand tie wire and clamp top insulators.



## Spool Ties

Replaces hand ties over armor rods. Spool Ties with pads provide superior protection against abrasion and all types of conductor motion from high frequency aeolian vibration to low frequency galloping.



## Quick Spool Ties

Replaces hand ties over armor rods. A specially formulated elastomer pad is supplied with each Quick Spool Tie used for bare conductor. This provides superior protection against abrasion and all types of conductor motion from high frequency aeolian vibration to low frequency galloping.

# TAPLINK® Wedge Connectors



## Wedge Tap Connectors

Used to make complete aluminum-to-aluminum and aluminum-to-copper electrical connections on ACSR, AAC and AAAC conductors. Connector designed to hold continuous pressure on the conductors during thermal cycling. Available in wide variety of conductor sizes and diameters.



## Wedge Pad Tap Connectors

Used to make complete aluminum-to-aluminum and aluminum-to-copper electrical connections on ACSR, AAC and AAAC conductors. Connector designed to hold continuous pressure on the conductors during thermal cycling. Available with 2-hole or 4-hole pad.



## Wedge Stirrup Connectors

Designed to protect the conductor from damage caused by arcing in applications where hotline clamps are attached. Bolted wedge technology makes installations quicker, easier and safer by eliminating the need for specialized tooling. For use with ACSR, AAC and AAAC conductors.



## Hotline Bail Connectors

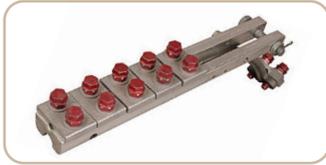
Designed to protect the main line conductor from damage caused by arcing as hotline clamps are connected and disconnected. Available single and double connectors for ACSR, AAC and AAAC conductors.



## Hotline Tap Connectors

Designed for hotline applications and can be removed and reused as desired as a temporary or permanent connection. Available for ACSR, AAC and AAAC conductors.

# Fiber Optic Cable Accessories



## Bolted Dead Ends

The bolted dead end is a full tension termination for OPGW cable. Breakaway bolts are used to apply precise gripping force to hold the cable without affecting optical performance.



## Comealongs

OPGW comealongs are stringing tools designed for pulling ground wire up to initial sag tensions.



## Downlead Clamps

Downlead clamps are used to guide OPGW cable from the top of the structure to the splice box.



## Mechanical Suspensions

Mechanical suspensions install easily while supporting vertical, transverse, longitudinal unbalanced loads and angle pulls without damaging cable strands or affecting optical performance.



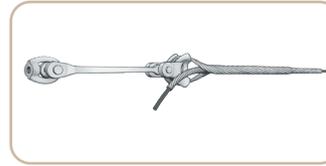
## Splicing Enclosures

Two different styles provide capacity for 12 to 96 fibers and as many as 540 splices. Quick and easy installation with no messy tapes or compounds. For use with ADSS and OPGW.



## Wedge Dead Ends

The mechanical wedge-type dead end is ideal in crowded distribution environments and allows for a safer and more efficient installation of ADSS cable.



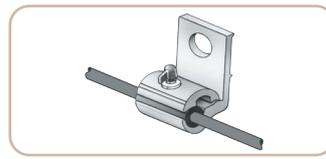
## Formed Wire Dead Ends for ADSS

ADSS Formed Wire Dead Ends are designed for line or elevation angle changes greater than 30 degrees. Available in three designs for maximum loaded tensions of up to 2,500 lbs, 4,000 lbs and 7,500 lbs.



## Trunnion Assemblies

With mounting capabilities of bolted, banded or standoff, Trunnions reduce installation costs by functioning as a pull-through during installation. Available for single and double cables.



## ADSS Mini-Span® Hardware

Mini-Dead Ends, Mini Brackets and Mini Formed Wire Tangent Supports are cable accessories designed for fast and easy installation of ADSS Mini-Span cable.



## Spiral Vibration Dampers

Designed to eliminate the damage caused by Aeolian vibration and reduce overall vibration on bare ADSS cables. A large, helically-formed damping section is sized for the ADSS cable.

# Substation — 230 kV



## Bolted Bronze and Aluminum Accessories

Accessories designed for ease of installation and to operate at lower temperatures than the conductor in environments less than 230 kV.



## Bolted and Welded Accessories

Accessories made from high strength aluminum alloy, designed to conduct full rated current of the largest conductor to which they are applied.



## Expansion Couplers

230 kV expansion coupler for pipe sizes 1" to 8" OD. Bus expansion laminate straps provide 1.4" of expansion for sizes 3/4" through 1 1/2" and 2" of expansion for sizes 2" through 6".



## Conductor Bus Supports

Low voltage multiple conductor bus supports for all conductor ranges and standard bolt hole patterns of 3", 5" and 7".



## Bolted Tee Connectors

Used for conductor run and tap. Extra strength U-bolts provide secure, reliable connection for combinations of ACSR and AAC conductors.



## Welded Bus Supports

Welded hook-on bus supports for all pipe sizes. Comes standard with anti-chatter springs for smooth expansion and contraction of pipe.



## Expansion Terminals

Low voltage expansion terminals, field welded for excellent electrical performance. Incorporates an extra long pipe guide for stick-free operation.



## Bronze Stud Connectors

Stud connector, bronze for connecting transformer studs to NEMA or special pads as shown here. Sizes range from 5/8" to 5" ID studs. Also available in stud to cable, stud to pipe and expansion capable versions.



## Grounding Connectors

Post to cable version. Available in a wide range of sizes in both SPS and standard ODs. Connects to single or multiple cable leads for most grounding applications.

## Substation — 345/500 kV



### Bolted and Welded Accessories

Accessories with streamlined designs and no protruding bolts for use in construction of extra-high voltage substations.



### High Voltage Terminals

Accessories designed to conduct full rated current of ultra-high voltage without concern for corona effects.



### Bolted Bus Supports

Bolted high voltage bus support for pipe with corona ring. Mounting hardware is included and available in standard NEMA bolt hole spacing of 3", 5" or 7".



### Welded Expansion Terminals

Welded high voltage expansion terminal for maximum amperage rating up to 5000 amps. Rope Lay design allows for greater clearances in confined spaces.



### Mechanical Ground Studs

Mechanical high voltage ground stud for pipe applications, rated at 500 kV and below. The 3/4" 1,100 alloy rod provides ample fault current capacity for most substations.

## Substation — 765 kV



### Bolted and Welded Accessories

Terminals for multiple conductors (two parallel conductors shown). Available in all sizes and up to four conductors.

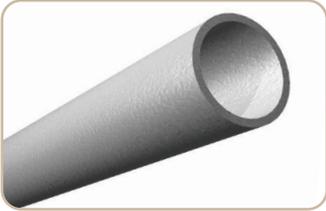


### Welded Bus Supports

Bus supports for Pipe with corona ring. Mounting hardware is included and available in standard NEMA bolt hole spacing of 3", 5" or 7".

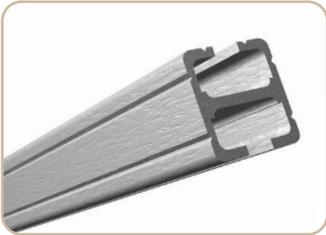


## Substation — Bus Conductors



### Seamless Bus Pipe

Extruded tubular material manufactured to a “nominal,” not actual, inside diameter with wall thickness of Schedule 40 or Schedule 80. 6061-T6 alloy used in high strength applications where as 6063-T6 alloy used in higher current carrying applications.



### Integral Web Bus (IWBC)

Used for station bus, open or enclosed; high-current bus of outdoor substations for distribution voltages; and 600 volt bus for industrial plants. Available in both ventilated and non-ventilated conditions. Does not require use of spacer clamps or welded tie-bars normally needed across the channels between insulator supports.



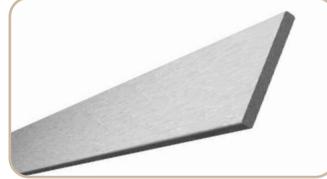
### Universal Angle Bus (UABC)

Used for moderate-size outdoor substations at distribution voltages. Can be mounted directly on insulator caps, since both legs are of uniform thickness. 6061-T6 alloy used in high strength applications where as 6063-T6 alloy used in higher current carrying applications.



### Channel Bus

Used for station bus, open or enclosed; high-current bus of outdoor substations for distribution voltages; and 600 volt bus for industrial plants.



### Rectangular Bar

All-purpose rigid conductor designed for switchgear, control apparatus and busways. Multiple bar bus provides a large surface area for heat dissipation. Easy to make joints and taps by bolting or welding as well as off-sets and 90-degree bends.

## Substation — Bus Dampers



### Tubular Bus Vibration Dampers

Designed to control Aeolian or wind-induced vibration in long bus spans. Proven both in the laboratory and in field service to be the most effective method of controlling tubular bus vibration. For bus sizes 1½, 2, 2½, 3, 3½, 4, 5, 6, and 8 O.D.



### IWBC and UABC Vibration Dampers

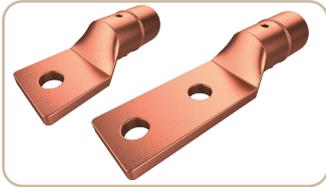
Designed to control Aeolian or wind-induced vibration in long bus spans. Proven both in the laboratory and in field service to be the most effective method of controlling tubular bus vibration. For conductor sizes 3¼ x 3¼ to 5 x 5 UABC and 4 x 4 to 9 x 9 IWCB.

# Substation — Swage360® Grounding



## Couplers

SWG360 Swage360 Couplers join two cable or rod runs together. Designed for copper cable that includes #2, #4, 1/0, 2/0, 3/0 and 4/0 AWG and 250, 300, 350 and 500 KCMIL.



## Terminals (1 or 2 Hole)

SWG360 Swage360 Terminals are used to ground a cable or a rod to a 1-hole or 2-hole lug. Designed for copper cable that includes #2, #4, 1/0, 2/0, 3/0 and 4/0 AWG and 250, 300, 350, 400 and 500 KCMIL.



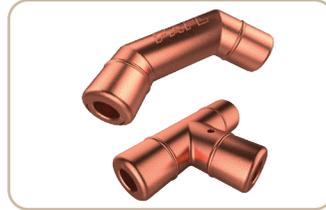
## Parallels

SWG360 Swage360 Parallel Connectors are used to connect cable-to-cable or cable-to-rod. The SWGPSE Swage360 Split Parallel design connects cable to another cable and features a sliding channel for ease of installation.



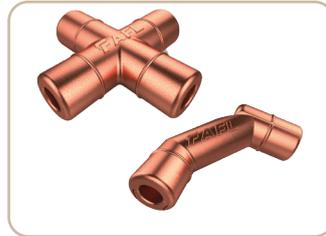
## Elbows

Swage360 Grounding Elbows are available in three designs. The SWGE solid pipe design connects two cable or rod runs at a 90-degree angle to enable grounding on the same run. The SWES split pipe connects a cable or rod at a 90-degree angle to the main run. It also features a sliding channel for ease of installation. SWGEH is an alternate design to connect a cable/rod to another cable or rod.



## Tee Connectors

SWG360 Swage360 Offset Single Split Tees connect a cable run to another cable and features a sliding channel for ease of installation. The SWGT360 Swage360 Split Tee Connector has a sliding channel used to connect a cable/rod run to another cable/rod.



## Crosses

The SWGX Swage360 Cross is a four-tap connector cross that connects four cables or rods together. The SWGXH Swage360 Thru-Hole Cross Connector has a thru-hole run and two taps. SWGXOSS Swage360 Offset Split Cross connects a cable run to another cable and features two sliding channels for ease of installation.



## Fence Post Connectors

SWGFP connects cable(s) or rod(s) to a post. Available with left, right or both connection sides.



## Gate Connectors

SWGFPB is a fence post connector that connects the cable(s) or rod(s) to a fencepost and then to a gate. Available with left, right or both connection sides.

## Substation — Swage360® Bus



### End Caps

Swage360 type bus end caps are used to cap the end of a bus run. They are available for sizes 1" through 6" N.P.S. Available in high voltage.



### Couplers

Swage360 type bus couplers are used to attach two bus runs together. These connectors are available in straight, long splice, reducer splice, and angle splices. They are available for sizes 1" through 6" N.P.S.



### Cross

Swage360 type bus crosses are used to tap two bus ends to a bus run. These connectors are also available in split pipe construction for ease of installation. They are available for sizes 1" through 6" N.P.S.



### Tee and Vee

Swage360 type bus tee or vee connectors are used to tap a bus end to a bus run. These connectors are also available as straight or angled tees or bus A-frame. They are available in split pipe construction for ease of installation for sizes 1" through 6" N.P.S.



### Terminals

Swage360 type bus terminals are used to bolt and terminate. These connectors are also available with NEMA pad configurations 2N through 6N4 with pad configurations being center formed, offset, angled, vertical or 45 degrees. They are available for sizes 1" through 6" N.P.S.



### Terminal Taps

Swage360 type bus terminal taps are bus connectors with one or two NEMA pad configurations, 2N through 6N4 with pad configurations being centered on the side of a bus pipe or 90 degrees. They are available in split pipe construction for ease of installation for sizes 1" through 6" N.P.S.



### Stirrups and Grounding Studs

Swage360 type bus stirrups and grounding studs are bus connectors with one or two studs or stirrups mounted to the sides. They are available in split pipe construction for ease of installation for sizes 1" through 6" N.P.S.



### Supports

Swage360 type bus supports are bus connectors with one or two connectors mounted to each support ring. They are available with chatter springs. All styles available in sizes 2" through 6" N.P.S.

## Substation — Swage360® Bus



### Expansion Couplers

Swage360 type bus expansion couplers are mounted to bus runs to give expansion space or flex in the center of a run. They are available in sizes 2" through 6" N.P.S.



### Expansion Terminals

Swage360 expansion terminals are available with a center formed pad, offset horizontal or vertical pad, or with a 90-degree pad. Vertical bus expansion accessories are also available. These accessories are available in sizes 2" through 6" N.P.S.



### Expansion Terminals, High Voltage

High voltage Swage360 type bus expansion terminals are mounted to a bus run and terminated at one end to give expansion space or flex in the center or end of a run. High voltage terminals use corona rings. These accessories are available in sizes 3" through 6" N.P.S. offered in regular or 90-degree NEMA pad.

## Substation — Swage360 Cable



### Couplers

Designed to connect two cable runs and carry the full current of the cable using Swage360 Technology. AFL offers a Swage360 cable to cable splice. Available voltages of 345-500 kV.



### Terminals

Designed to connect to a cable and carry the full current of the cable using Swage360 Technology. Terminal pads conform to NEMA standards. These accessories vary from 230-345 kV.



### Supports

The Swage360 type SWCS-AA cable support and Swage360 type SW2CS-AA double cable support are designed to connect cable to AAC or ACSR conductors.



### Spacers

Swage360 type SWAS-AA Split Cable Spacer and Swage360 type SWAS-N-AA Split Cable Spacer with NEMA Pad are designed for AAC and ACSR cable ranges.



### Cable Tees

Designed to connect to a NEMA pad and carry the full current of the cable using Swage360 Technology. Terminal pads conform to NEMA standards. Voltages vary from 230-500 kV.

## Substation — Swage360® Tools & Accessories



### 115 Ton Press Assembly

Portable construction and maintenance tool designed to swage 6-inch bus accessories onto a bus. The power unit works with the 6-inch Head Assembly.



### 85 Ton Press Assembly

Portable construction and maintenance tool designed to swage 5-inch bus accessories onto a bus. The power unit works with the 5-inch Head Assembly.



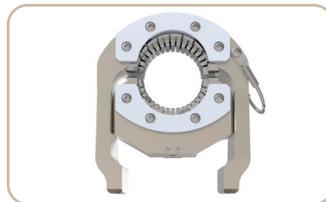
### 65 Ton Press Assembly

Portable construction and maintenance tool designed to swage bus accessories onto a bus pipe or cable. The power unit works with all sizes of head assemblies (1", 1.5", 2", 2.75" O.D., 2.5", 3", 3.5" and 4"). Power unit compatible with all press head sizes.



### 65 Ton Power Unit

Construction and maintenance tool designed to cover a full range of Swage360 accessories. Works with all sizes of head assemblies (1", 1.5", 2", 2.75" O.D., 2.5", 3", 3.5" and 4"). 360-degree hose swivel for ease of movement and makes the swage process quick and easy.



### 65 Ton Press Head

Includes the press head, die block, die retainers and mounting screws. Three different press heads available that fit different dies. Additional interchangeable dies also available.



### 65 Ton Die Set

Comes with two dies per pipe size. Dies are available in 1", 1.5", 2", 2.5", 2.75" O.D., 3", 3.5" and 4" sizes. Not all dies fit in one press head. Ensure you have the correct head assembly for the size dies needed.



### 45 Ton Press Assembly

Portable construction and maintenance tool designed to swage cable and grounding accessories onto a cable. The power unit works with 1.00" O.D. through 2.25" O.D. Head Assemblies.



### 45 Ton Power Unit

Construction and maintenance tool designed to cover a full range of Swage360 cable and grounding accessories. Works with 1.000" O.D. through 2.250" O.D. Head Assemblies.

## Substation — Swage360® Tools & Accessories



### 45 Ton Press Head

The Swage360 45 Ton Press Head comes with the Press Head, Die Block, Die Retainers and mounting screws. There are two different press heads that fit different dies.



### 45 Ton Die Set

Includes two dies per pipe size. Dies available in 1.00" O.D. through 2.25" O.D. Not all dies fit in one press head. Ensure you have the correct head assembly for the size dies needed.



### Swage360 Inspection Gauges

Used to measure the diameter of the bus pipe prior to installation as well measure the final compression diameter of the Swage360 accessory. The SWGGB Series gauges also feature a pin and marking window to properly mark the Bus pipe insertion depth.



### Swage360 Grease

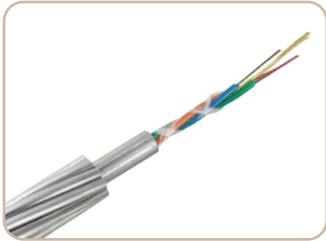
Used on the back side of the Swage360 dies to cut down on wear between the die surface, the die block and the die head. Available in 4 ounce bottles.



**For more information on Substation and Swage360 Pumps, Presses and Compression Dies, see page 4 or visit the Tools and Equipment page on [AFLglobal.com](http://AFLglobal.com).**

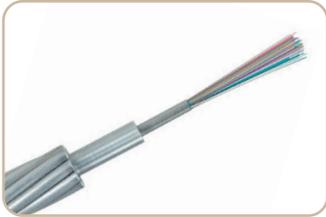
# Aerial Fiber Optic Cable

In addition to our cable hardware and compression accessories, AFL offers a complete portfolio of fiber optic cable designed to meet the most demanding transmission and distribution environments. AFL is the leading world manufacturer of fiber optic cable and uniquely positioned to provide a full line of all-dielectric self-supporting (ADSS) aerial cables and optical ground wire (OPGW).



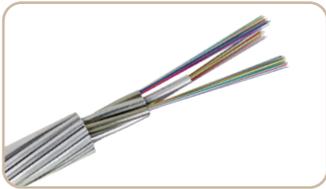
## AlumaCore OPGW

AlumaCore OPGW is preferred for its central aluminum pipe and color-coded fiber optic buffer tubes. The durability of the design makes it ideal for typical applications to those requiring high tensions or needing long span capability. Multiple sub-units combine to achieve fiber counts up to 144.



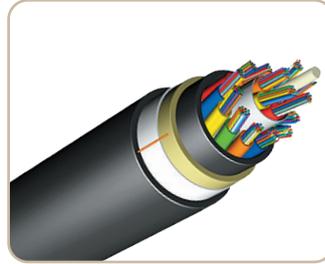
## CentraCore OPGW

CentraCore OPGW can house up to 96 fibers in a diameter starting at only 12 mm. Its small profile offers an exceptional solution to the diameter and weight concerns on many of today's overloaded transmission towers where an existing shield wire needs to be replaced with an OPGW cable.



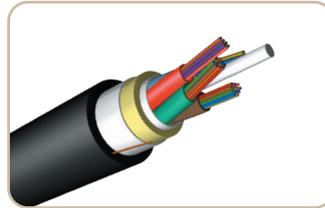
## HexaCore OPGW

These designs utilize fiber-bearing stainless steel tubes stranded alongside aluminum clad steel and/or aluminum alloy wires to create a multi-layer cable design suitable for a variety of environmental and geographical conditions. Fiber counts up to 432 or higher.



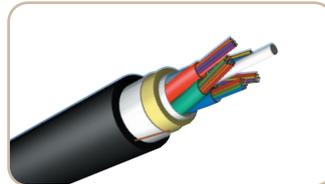
## ADSS Standard Design

This cable includes both an inner and outer polyethylene jacket surrounding the buffer tubes and strength elements. This construction is required for stringent design conditions such as strict clearances, tighter tensions, higher line voltage environments, etc. AFL has pre-engineered a range of typical cable designs based on span lengths up to 1,500 ft. (457 m) and fiber counts up to 432.



## Flex-Span® ADSS Cable

Optimized for a broader combination of fiber counts and span lengths. Support or messenger wire are not required, so installation is achieved in a single pass. Pole-to-pole span lengths range from 50 ft. to over 1,000 ft. Available in fiber counts up to 144.



## Mini-Span® ADSS Cable

The Mini-Span cabling system offers a comprehensive transmission circuit infrastructure with proven, high-reliability performance. Pole-to-Pole span lengths range from 50 ft. to over 1,000 ft. Fiber counts up to 144.

## AFL Solutions for Electric Utilities

AFL delivers the right combination of fiber optic cable, connectivity and equipment products for today's utility service provider. Whether you are updating your SCADA or AMI systems, deploying a Fiber-to-the-Home (FTTH) network or building out a data center, AFL has a solution. With decades of experience supplying fiber optic cabling, accessories and components to the electric utility market, we understand the challenges of today's utilities and are uniquely positioned to provide end-to-end fiber solutions regardless of the application or environment. No other company manufactures every part of the passive optical infrastructure, with an eye on future-proofing product development and innovation.



For more information about AFL's solutions for electric utilities,  
contact us at **(800) 235-3423** or online at **[www.AFLglobal.com](http://www.AFLglobal.com)**



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LC-03002 Rev. 13, 12.15.2023  
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