

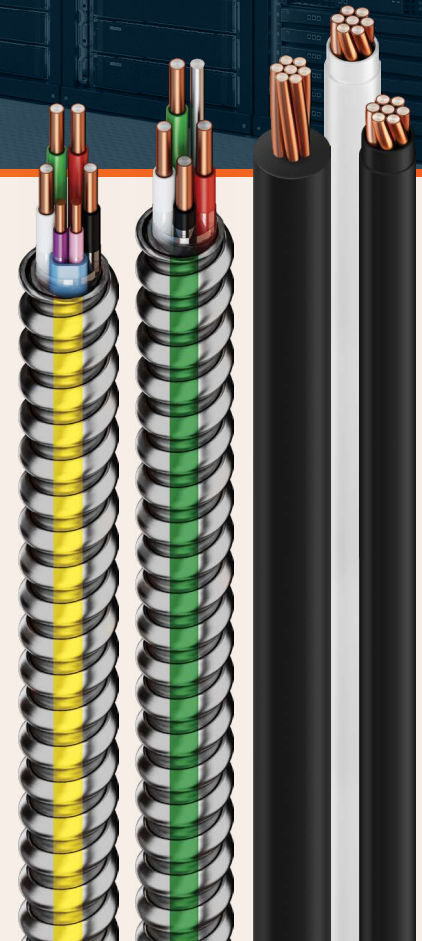


COPPERWELD®
BRAND WIRE

Copperweld® Copper-Clad Aluminum (CCA) Building Wire Commercial Construction

Smarter commercial construction comes down to the wire

Today's commercial projects demand greater cost stability, installation efficiency and long-term electrical performance. Copperweld® CCA Building Wire's bimetallic construction combines the advantages of copper and aluminum to help reduce exposure to copper price volatility, improve installation workflow and deliver efficient electrical performance across demanding commercial applications.

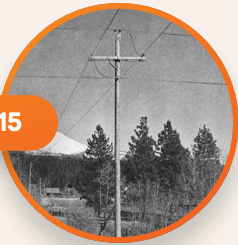


The Most Trusted Name in Bimetallic Conductors

For more than a century, Copperweld has pioneered the science of bimetallic conductors, combining metals to create purpose-engineered wire and cable.

By putting each material to work where its properties provide the greatest advantage, Copperweld has developed bimetallic solutions that have helped build infrastructure, advance industry and connect the world. Behind that innovation are more than a century of metallurgical and manufacturing expertise, advanced testing capabilities and an active role in the codes and standards that support bimetallic conductors. Today, that foundation lives on across our Copper-Clad Aluminum (CCA) and Copper-Clad Steel (CCS) products.

1915



Over a Century of Bimetallic Leadership

Since 1915, Copperweld bimetallic conductors have helped build and protect critical infrastructure, support wartime production, fuel industrial growth and connect an increasingly communications-driven world. Across changing applications, one idea remained constant: combine metals to achieve more than either could alone.

1975



Bimetallic Expertise in CCA

To support the needs of the rapidly growing communications industry, Copperweld opened its Fayetteville, Tennessee manufacturing facility, applying decades of metallurgical and manufacturing expertise to Copper-Clad Aluminum conductors.

2018



Paving the Way for CCA Building Wire

Copperweld applied its bimetallic expertise to the next generation of Copper-Clad Aluminum (CCA) Building Wire — advancing product design, testing and listings while helping shape evolving codes, standards and industry understanding.

Today



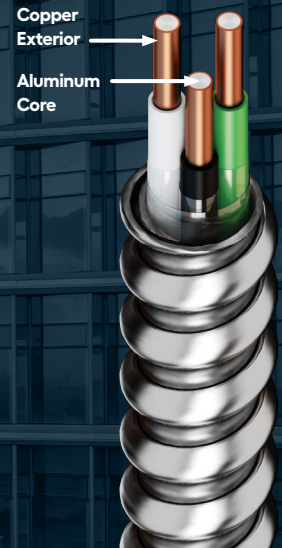
The Fastest-Growing Building Wire on the Market

Today Copperweld® CCA Building Wire is changing how the industry thinks about conductor materials, bringing the advantages of bimetallic design to commercial and residential construction.

A Smarter Building Wire

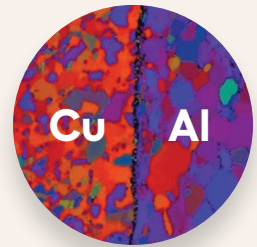
Copperweld applied decades of bimetallic expertise to advance one of construction's most familiar products.

Copperweld® Copper-Clad Aluminum (CCA) Building Wire combines an AA-8000 Series aluminum core with an oxygen-free copper exterior, permanently joined through a metallurgical bond. The result puts each material to work where its properties provide the greatest advantage — creating a purpose-engineered alternative to the conventional all-copper approach.



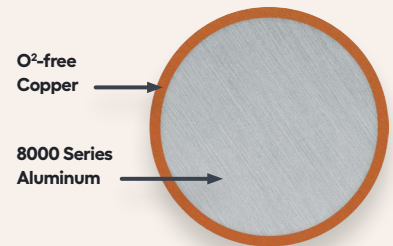
Purpose-Engineered Construction

Copperweld® Copper-Clad Aluminum (CCA) places copper across 100% of the conductor surface, while an AA-8000 Series aluminum alloy forms the core. Copperweld's proprietary cladding process creates a permanent metallurgical bond between the two metals, producing a unified bimetallic conductor engineered to ASTM B566.



The Right Material in the Right Place

Copper provides the exterior surface and connection interface where its properties provide the greatest advantage, while aluminum at the core reduces reliance on copper and provides important material advantages. The result is a conductor that uses approximately one-sixth the copper of an equivalently rated copper conductor.



- ✓ **Specify with Confidence** – More than five decades of NEC recognition, established product standards and documented electrical characteristics give engineers and designers a clear technical foundation for specifying CCA Building Wire.
- ✓ **Install with Confidence** – Copper encompasses the conductor surface, putting copper at connection points. Listed devices and connectors provide contractors a straightforward path to proper CCA terminations.
- ✓ **Approve with Confidence** – Third-party listings from UL and Intertek (ETL), code recognition and technical evaluation provide inspectors and AHJs documented support for code-compliant installations.
- ✓ **Own with Confidence** – Decades of CCA installation history, continued testing and independent evaluation support confidence in long-term performance.

Wired for Commercial Construction

Copperweld® CCA Building Wire is designed to meet the budget, installation and long-term performance demands of commercial construction.

From offices and industrial facilities to mission-critical infrastructure and complex mixed-use developments, every project presents its own combination of electrical loads, installation conditions and budget pressures. Copperweld Building Wire is engineered for the real-world challenges across a wide range of commercial construction environments.



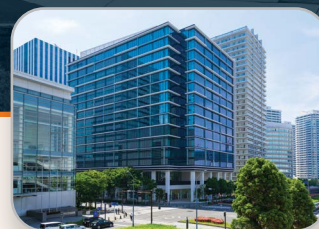
Data Centers

Continuous loads make energy performance and material efficiency critical to project success.



Industrial & Manufacturing

Demanding loads and equipment-dense environments require dependable electrical performance.



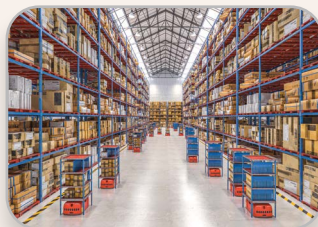
Mixed-Use & Multifamily

High conductor volumes make material costs and installation efficiency increasingly important.



Offices & Retail

Changing layouts and phased build-outs put a premium on flexibility and cost control.



Commercial Storage

Expansive footprints and long conductor pulls magnify material and installation demands.



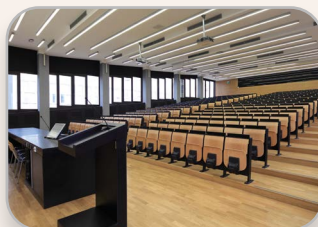
Healthcare

Critical loads and dense electrical systems demand performance without compromise.



Hospitality

Repetitive layouts and schedule-driven construction reward efficient, predictable installation.



Public Spaces

Large gathering spaces require dependable performance within closely managed project budgets.



Specialized Applications

Unique project requirements bring their own material, installation and performance demands.

Why Commercial Teams Choose Copperweld® CCA Building Wire

Copperweld CCA Building Wire turns smarter material design into practical advantages for commercial construction.

Copperweld's unique bimetallic design helps project teams address the pressures that shape commercial construction — from material costs and installation demands to electrical performance and long-term material use. These advantages give designers, contractors and owners more ways to manage project priorities from initial specification through installation and long-term operation.



Cost Stability

Copperweld CCA Building Wire's bimetallic construction helps reduce exposure to copper price volatility while supporting more predictable project budgeting.



Installation Efficiency

CCA offers lighter weight and improved flexibility for easier handling on long pulls and multi-level builds, improving installation efficiency across demanding commercial job sites.



Efficient Electrical Performance*

When sized per code, CCA provides reliable current-carrying performance, improved thermal characteristics, and reduced voltage drop compared to traditional electrical systems.



Reduced Theft Incentives

CCA's bimetallic construction and significantly lower scrap value reduce theft incentives compared to solid copper conductors, helping limit disruption during extended construction schedules.



Specification & Performance Confidence

Recognized in the National Electrical Code since 1971 and UL and ETL listed, CCA's bimetallic construction delivers consistent electrical and mechanical performance across commercial applications.



Bimetallics Made in the USA

Copperweld manufactures its bimetallic conductors in the USA, supporting American jobs while giving project teams confidence in the quality and consistency behind every installation.

* When upsized appropriately in accordance with the National Electric Code



Copperweld® CCA Building Wire for Commercial



* Range varies by connector and wire combination.

Commercial Building Wire Resources

Visit copperweld.com for additional Copperweld® CCA Building Wire resources, videos, events, and more.

To stay up to date on the latest Copperweld releases, join our eNewsletter mailing list: copperweld.com/updates



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