



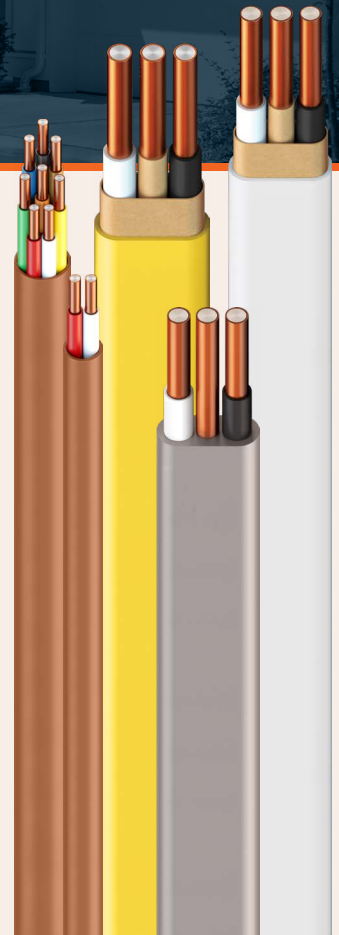
COPPERWELD®
BRAND WIRE

Copperweld® Copper-Clad Aluminum (CCA) Building Wire

Residential Construction

Smarter residential construction comes down to the wire

Today's residential projects demand greater cost stability, efficient installation and dependable long-term electrical performance. Copperweld® CCA Building Wire's bimetallic construction combines the advantages of copper and aluminum to help builders manage material costs, keep installations moving and deliver efficient electrical performance throughout the home.



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

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 residential and commercial construction.

A Smarter Building Wire

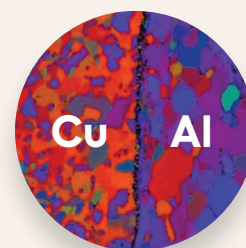
Copperweld applied decades of bimetallic expertise to advance one of construction's most familiar products.

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.



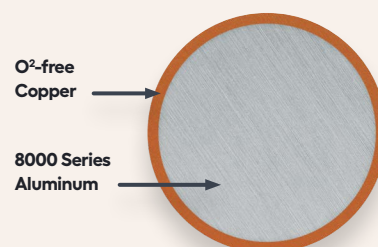
Purpose-Engineered Construction

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.



- ✓ **Build with Confidence** – More than five decades of NEC recognition, established product standards and documented electrical characteristics give builders and developers a clear technical foundation for choosing 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 Residential Construction

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

From single-family communities to multifamily and modular construction, residential projects bring different combinations of scale, schedules, installation demands and budget pressures. Copperweld Building Wire is engineered for the real-world challenges builders and electrical contractors face across residential construction.



Single-Family Communities

High-volume construction and repeatable floor plans put a premium on predictable costs, efficient installation and consistent schedules.



Multifamily Homes

High conductor volumes and repetitive installations make material costs, labor efficiency and project coordination especially important.



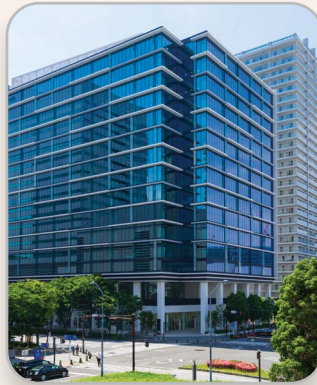
Custom & Luxury Homes

Larger footprints and complex electrical systems increase conductor requirements, installation demands and overall electrical scope.



Build-to-Rent Communities

Large portfolios of similar homes make repeatability, cost predictability and efficient construction critical to project economics.



Mixed-Use Residential

Integrated residential and commercial spaces increase electrical complexity, coordination demands and cost pressures.



Modular & Prefabricated

Accelerated schedules and repeatable assembly make material consistency, installation efficiency and predictable costs critical.

Why Residential Teams Choose Copperweld® CCA Building Wire

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

Copperweld's unique bimetallic design helps builders and electrical contractors address the pressures that shape residential construction — from material costs and installation demands to electrical performance and long-term material use. These advantages provide more ways to manage project priorities from planning and purchasing 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 and installation, helping crews work efficiently across fast-paced residential 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 and replacement costs on residential job sites.



Specification & Performance Confidence

Recognized in the National Electrical Code since 1971 and UL and ETL listed, Copperweld's bimetallic construction delivers consistent electrical and mechanical performance across residential 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 Residential



Residential 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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