

AWG
AMERICAN WIRE GROUP
EMPOWERING A BETTER WORLD

AerialGuard® System Solutions

AWG's AerialGuard® System Solutions combine tree wire or spacer cable with the hardware and accessories needed to build a complete overhead distribution system. Available for 15 kV, 25 kV and 35 kV systems, AerialGuard® is available with PE or XLPE covering systems. Designed for system hardening, AerialGuard® helps utilities strengthen overhead circuits against vegetation contact, severe weather and other conditions that can contribute to faults and outages. Complete system solutions can include spacers, brackets, insulators and supporting hardware, with configurations available to meet different circuit and installation requirements.



Why AerialGuard®?

AerialGuard® provides utilities with a targeted approach to system hardening without the cost, permitting and timeline of undergrounding. Its track resistant covering helps reduce faults and flashovers from incidental contact, while the complete system supports greater resilience against vegetation and severe weather. The result: fewer contact related outages, reduced ignition risk and greater circuit resiliency, with compact spacer cable configurations also available where space is limited.

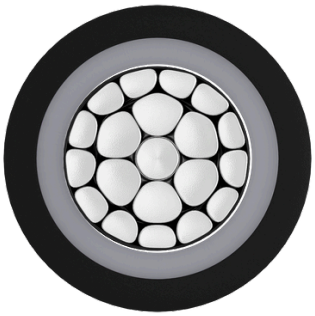
www.buyawg.com

Empowering a Better World with AerialGuard® System Solutions

TREE WIRE vs SPACER CABLE: Let's Compare

TREE WIRE

Tree wire is designed to replace bare overhead conductor and is typically installed in the same flat or nearly flat configuration as the conductor it replaces. In many applications, the same conductor construction can be used with the addition of a protective covering, allowing utilities to strengthen existing overhead circuits without fundamentally changing their configuration. Larger or stronger self supporting conductors, such as ACSR, can also be used depending on system requirements.



SPACER CABLE

Spacer cable uses a compact diamond configuration maintained by spacer hardware and supported by an aluminum clad steel messenger. The messenger provides higher tensile strength than the aluminum phase conductors, helping the system withstand mechanical loading from events such as branch contact while also providing a path to ground. Its compact configuration also makes spacer cable well suited for constrained rights of way or multiple circuits.

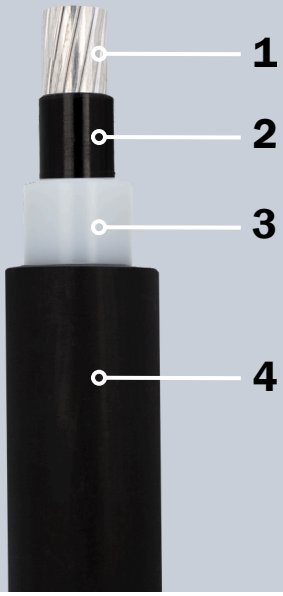
AerialGuard® Cable Construction

1. Conductor The covered conductor is available in AAC, AAAC, ACSR, ACSR/AW, and AS/AC conductor options to support a range of overhead distribution system requirements.

2. Conductor Shield Extruded semiconducting thermoplastic shield which is free stripping from the conductor and bonded to the covering, or extruded semiconducting thermoset shield which is free stripping from the conductor and bonded to the covering.

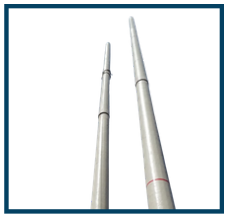
3. Inner Covering Low-, medium-, or high-density polyethylene or crosslinked polyethylene covering. Inner and outer layers are bonded together.

4. Outer Covering Track-resistant polyethylene or track-resistant crosslinked polyethylene. Available in black or gray. Sunlight resistant covering. Inner and outer layers are bonded together.

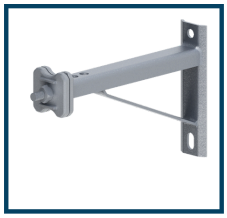


AERIALGUARD® ACCESSORIES

Along with AerialGuard® tree wire or spacer cables, we also offer system accessories such as spacers, brackets, insulators and other hardware, making this a complete system.


Poles


Spacer


Tangent Bracket


Angle Bracket


Insulator Pin Type with Ratchet


Deadend Bracket


Deadend Insulator

buyawg.com | sales@buyawg.com | 800.342.7215 | 954.455.3050

Information on this sheet subject to change without notice.
Copyright © 2026, American Wire Group, LLC.

7 OCT 2026