

SOUTHWIRE COVERED AERIAL MEDIUM VOLTAGE (CAMV)[™] C⁷[®] TREE WIRE

IMPROVE GRID RELIABILITY AND RESILIENCY WITH SOUTHWIRE'S COVERED AERIAL MEDIUM VOLTAGE (CAMV)[™] C⁷[®] TREE WIRE

CAMV cable itself is a Thermal-Resistant Aluminum Conductor, Composite Reinforced (ZTACCR/C7-TS) cross-linked polyethylene (XLPE) conductor shield, cross-linked low density polyethylene (LDXLPE) inner layer and gray or blacktrack-resistant high density cross-linked polyethylene (TRHDXLPE) outer layer. These non-shielded, covered conductors are handled like bare conductors during installation and operation.



INCREASED RELIABILITY CUTS MAINTENANCE COSTS

Running through a community park or down a tree-lined boulevard, CAMV can reduce outages compared to bare-wire installations. CAMV circuits result in higher reliability because the conductor cover reduces momentary outages during contact with tree branches. Outages from animal and bird contact also go down. **Higher reliability means you spend less money per pole on maintenance, and your total distribution system life-cycle costs drop.**

GET COMPLETE CAMV SOLUTIONS FROM SOUTHWIRE

Southwire offers complete CAMV system solutions, including CAMV Spacer Cable Systems, AAC, ACSR and C⁷[®] Tree Wire. You can also get specialized tools and rigging equipment such as pulling grips, stringing blocks, and stripping tools as well as engineering support, including ampacity analysis, hardware recommendations, sag and tension calculations, and installation advice and equipment. **With Southwire support, CAMV cable is installed quickly, cost-effectively, and with the highest level of system reliability.**



PUT MORE POWER THROUGH EXISTING RIGHTS-OF-WAY

By replacing the steel strand in ACSR Tree Wire with a C⁷[®] carbon fiber composite strand, the additional sag caused by the conductor covering can, in most cases, be fully mitigated. This allows utilities to avoid expensive distribution system rebuilds. C⁷[®] Tree Wire offers reduced sag, making it ideal for lines with clearance or structural limitations. With an impressive strength-to-weight ratio—at only 20% the weight of steel—it enhances installation efficiency, operational performance, and load-bearing capacity.

The C⁷[®] core is protected by a resilient polymer coating, providing exceptional durability and resistance to harsh outdoor environments, ensuring a long and reliable service life. Additionally, using C⁷[®] Tree Wire increases clearance from vegetation, further supporting fire mitigation efforts.

DRAMATICALLY CUTS VEGETATION MANAGEMENT COSTS

Tree contact is the single largest cause of both momentary outages and sustained customer interruptions in much of the country. Managing vegetation to avoid conductor contact is an expensive, recurring maintenance operation. Outages due to neglected trimming can lead to significant fines, but severe trimming can generate community complaints. CAMV Systems offer a vegetation management breakthrough.

If a tree limb brushes a CAMV cable, the conductor covering has the electrical strength to limit momentary outages. Tighter clearances around your distribution circuits may be allowed in some instances, resulting in less frequent trimming. **CAMV installations are an excellent alternative for both cycle and condition-based vegetation management programs.**

**SCAN HERE TO LEARN MORE
ABOUT SOUTHWIRE'S CAMV[™]
C⁷[®] TREE WIRE**



TO LEARN MORE ABOUT SOUTHWIRE'S COVERED AERIAL MEDIUM VOLTAGE (CAMV)[™] C⁷[®] TREE WIRE
CONTACT CAMV@SOUTHWIRE.COM OR VISIT SOUTHWIRE.COM TODAY.



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