

# SOUTHWIRE COVERED AERIAL MEDIUM VOLTAGE (CAMV)<sup>™</sup> CABLE SYSTEMS

## IMPROVE GRID RELIABILITY AND RESILIENCY WITH SOUTHWIRE'S COVERED AERIAL MEDIUM VOLTAGE (CAMV)<sup>™</sup> SYSTEM

In our system, spacers hold three MV phase conductors in close approximation. The spacers are suspended from a high-strength messenger wire. CAMV cable itself is a single aluminum conductor protected by a layer of track-resistant polyethylene. 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 cable systems 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. When storms hit, or under accumulation of ice or snow, the covered conductors are partially protected from falling limbs by the high-strength messenger. Lightning-related outages may drop as well because the grounded messenger wire serves as a shield wire for the system. **Higher reliability means you spend less money per pole on maintenance, and your total distribution system life-cycle costs drop.**



### PUT MORE POWER THROUGH EXISTING RIGHTS-OF-WAY

CAMV cable's compact construction lets you put more power down existing rights-of-way. Suspend two CAMV cable configurations back-to-back on a 14" bracket and you can double the circuits—and double your available power going into an area. Wherever clearance is tight, CAMV cable can simplify distribution design while achieving higher reliability.

### DRAMATICALLY CUTS VEGETATION MANAGEMENT COSTS

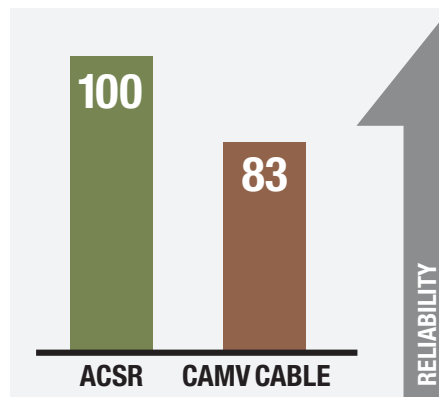
Tree contact is the single largest cause of both momentary outages and sustained customer interruptions in much of the country. Managing vegetation to avoid conductor contact is an expensive, recurring maintenance operation. Outages due to neglected trimming can lead to significant fines, but severe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

### GET COMPLETE CAMV SYSTEMS FROM SOUTHWIRE

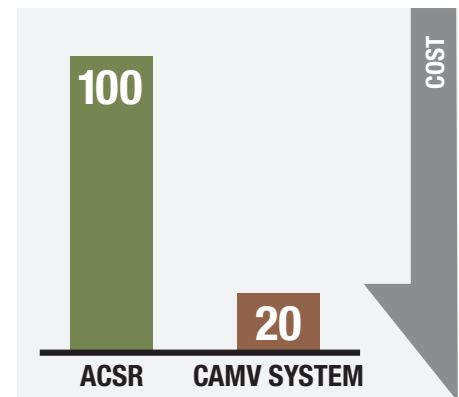
Southwire offers complete CAMV system solutions, including spacers, insulators, supports, arms, brackets, clamps, and tie-wires. You can also get specialized tools and rigging equipment such as pulling sheaves, tensioning blocks, and stripping tools as well as engineering support, including ampacity 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.**

#### 10-YEAR MAINTENANCE COST PER POLE



CAMV cable maintenance costs 17% less per pole than on traditional bare wire systems.

#### 10-YEAR RELATIVE VEGETATION MANAGEMENT COSTS



CAMV Systems can shrink vegetation management budgets by up to 80%.

To learn more about Southwire's Covered Aerial Medium Voltage (CAMV)<sup>™</sup> System, contact [camv@southwire.com](mailto:camv@southwire.com) or visit [southwire.com](http://southwire.com) today.



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