# 3-Layer 15kV AAAC CAMV™ Covered Conductor (Tree Wire or Spacer Cable)

An Alternative and Robust Design to Bare AAAC Conductors to Harden the Electrical Grid.
3-Layer, 15kV, Covered Conductor, Concentrically Stranded AAAC, Track-Resistant Crosslinked Polyethylene.

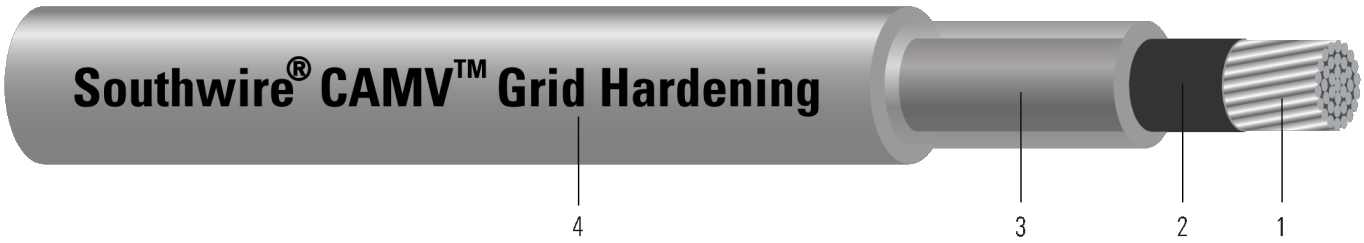



Image not to scale. See Table 1 for dimensions.

## CONSTRUCTION:

1. **Conductor:** Concentrically stranded aluminum-alloy 6201-T81 wires AAAC
2. **Strand Shield:** Semi-conducting cross linked polymer
3. **Inner Layer:** Low-Density Crosslinked Polyethylene (LDXLPE)
4. **Outer Layer:** High-Density Track-Resistant Crosslinked Polyethylene (HDTRXLPE)

## APPLICATIONS AND FEATURES:

- Used for primary and secondary overhead distribution where limited space is available or desired for rights-of-way. Installed the same as bare conductors, however, covering is effective in preventing direct shorts and instantaneous flashovers should tree limbs or other objects contact conductors in such close proximity.
- Tree Wire - Used for spans where trees crowd the right-of-way, such as in wooded residential areas, when a minimum of interference with the environment is desired. Covering minimizes power outages due to conductor contact with tree limbs, reducing the need for frequent or severe trimming.
- Covered Aerial MV Cable (CAMV)/Spacer Cable - Installed with other Covered Aerial MV cables and a supporting messenger through a series of space-maintaining devices (spacers). The resulting close-proximity configuration minimizes the amount of space and hardware required for line installation, particularly useful in congested areas.

## SPECIFICATIONS:

- ASTM B398 Standard Specification for Aluminum-Alloy 6201-T81 and 6201-T83 Wire for Electrical Purposes
- ASTM B400 Standard Specification for Compact Round Concentric-Lay-Stranded, Aluminum 1350 Conductors
- ICEA S-121-733 Tree Wire and Messenger Supported Spacer Cable

### Table 1 – Weights and Measurements

| Stock Number | Cond. Size | Cond. Strands | Diameter Over Conductor | Conductor Shield Thickness | Inner Layer Thickness | Outer Layer Thickness | Approx. OD | Approx. Weight | Rated Strength | Allowable Ampacity In Air 90°C† |
|---|---|---|---|---|---|---|---|---|---|---|
| | AWG/ Kcmil | # | inch | mil | mil | mil | inch | lb/1000ft | lb | Amp |
| 142448 | 123.3 | 7 | 0.398 | 15 | 75 | 75 | 0.728 | 236 | 4014 | 289 |

All dimensions are nominal and subject to normal manufacturing tolerances
TBA stock codes are estimations only and actual product may vary. Please wait until a stock code is assigned to purchase connectors and/or fittings.

We've got it MADE IN AMERICA

**Southwire Company, LLC | One Southwire Drive, Carrollton, GA 30119 | www.southwire.com**

Copyright © 2026 Southwire Company, LLC. All Rights Reserved

UPDATED: Oct. 9, 2025, 3:02 p.m.UTC REVISION: 1.000.005