



## 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.

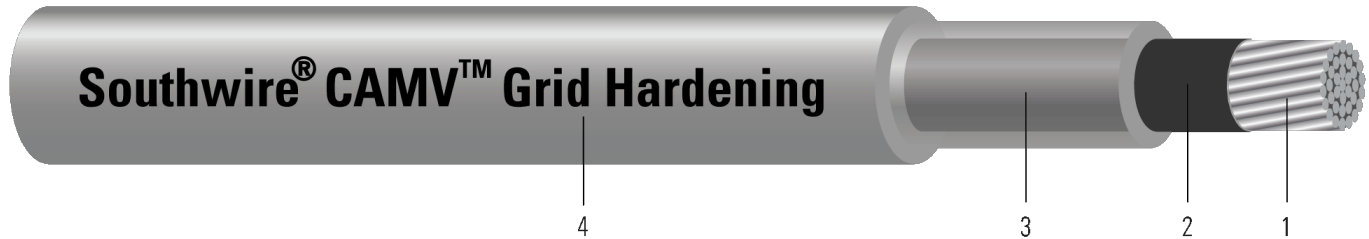


Image not to scale. See Table 1 for dimensions.

### CONSTRUCTION:

- Conductor:** Concentrically stranded aluminum-alloy 6201-T81 wires AAAC
- Strand Shield:** Semi-conducting cross linked polymer
- Inner Layer:** Low-Density Crosslinked Polyethylene (LDXLPE)
- 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**

| Cond. Size | Cond. Strands | Diameter Over Conductor | Conductor Shield Thickness | Inner Layer Thickness | Outer Layer Thickness | Approx. OD | Approx. Weight | Rated Strength |
|------------|---------------|-------------------------|----------------------------|-----------------------|-----------------------|------------|----------------|----------------|
| AWG/Kcmil  | #             | inch                    | mil                        | mil                   | mil                   | inch       | lb/1000ft      | lb             |
| 77.47      | 7             | 0.316                   | 15                         | 75                    | 75                    | 0.646      | 179            | 2520           |

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.

