Flame-Retardant 3-Layer 15kV ACSR CAMV™ Covered Conductor (Tree Wire or Spacer Cable)

The Most Reinforced, Resilient, Reliable and Patent-Pending Formulation to Enhance the Performance of the Standard Covered Aerial Medium Voltage Covered Conductors with a Flame-Retardant Track-Resistant Crosslinked Polyethylene (FR-HDTRXLPE).

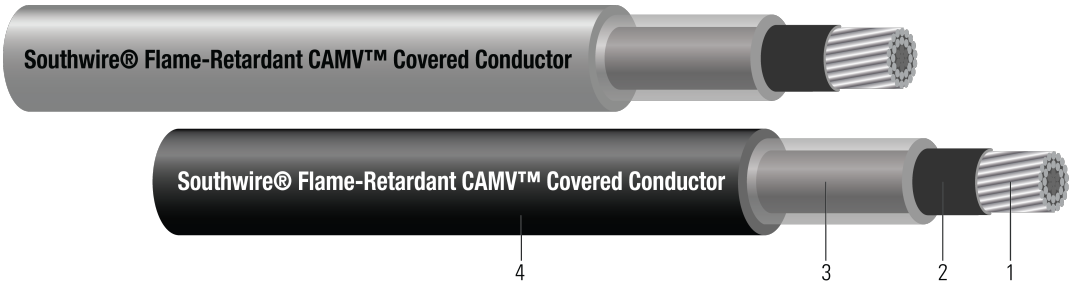

Image not to scale. See Table 1 for dimensions.

CONSTRUCTION:

1. **Conductor:** Concentrically stranded ACSR (water or moisture block optional)
2. **Strand Shield:** Semi-conducting crosslinked polymer
3. **Inner Layer:** Low-Density Crosslinked Polyethylene (LDXLPE)
4. **Outer Layer:** Flame-Retardant High-Density Track-Resistant Crosslinked Polyethylene (FR-HDTRXLPE). Contains no lead and is naturally halogen-free. Gray or black in color.

APPLICATIONS AND FEATURES:

- **This product is best suited for high fire risk areas including California, Arizona, and Canada. California has designated specific areas as high fire risk zones, classified into Fire Hazard Severity Zones (FHSZ) based on factors like vegetation, weather, and terrain.**
- 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.
- 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.
- 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.
- Covering rated for 90°C during normal operation and 130°C during emergency operation. Unless adequate knowledge of the thermal characteristics of the environment is known, the permissible conductor temperature should be reduced by 10°C or in accordance with available data.

SPECIFICATIONS:

- ASTM B230 Aluminum, 1350-H19 Wire for Electrical Purposes
- ASTM B232 Concentric-Lay-Stranded, Aluminum Conductors, Coated Steel Reinforced (ACSR)
- ASTM B498 Zinc-Coated (Galvanized) Steel Core Wire for Aluminum Conductors, Steel Reinforced (ACSR)
- ASTM B500 Metallic Coated Stranded Steel Core for use in overhead Electrical Conductors
- ICEA S-121-733 Tree Wire and Messenger Supported Spacer Cable

We've got it MADE IN AMERICA
STRONG. SUSTAINABLE. SOUTHWIRE

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- UL 2556 Standard for Safety Wire and Cable Test Methods - Meets Three Flame Test including VW-1, FT1, and FT2
- ASTM D2303 Standard for Liquid-Contaminant, Inclined-Plane Tracking and Erosion of Insulating Materials
- ASTM D7936-25 Test Method for Flammability of Electrical Insulating Materials Intended for Wires or Cables When Burning in Horizontal Configuration
- ASTM D8354-25 Test Method for Flammability of Electrical Insulating Materials Intended for Wires or Cables When Burning in a Vertical Configuration
- AEIC CG15 Application and Installation Guide for Medium Voltage Covered Conductor Used as Tree Wire and Messenger Supported Spacer Cable (draft)
- RoHS-3 Complies with European Directive 2015/863
- Made in America: Compliant with both Buy American and Buy America Act (BAA) requirements per 49 U.S.C. § 5323(j) and the Federal Transit Administration Buy America requirements per 49 C.F.R. part 661

Table 1 – Weights and Measurements

Cond. Size	Cond. Strands	Diameter Over Conductor	Inner Layer Thickness	Outer Layer Thickness	Approx. OD	Approx. Weight	Rated Strength
AWG/Kcmil	#	inch	mil	mil	inch	lb/1000ft	lb
266.8	18/1	0.609	75	75	0.939	474	6536

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.

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