3-Layer 15kV AAC CAMV™ Tree Wire/Spacer Cable

An Alternative and Robust Design to Bare AAC Conductors to Harden the Electrical Grids. 3-Layer 15kV AAC Tree Wire Concentrically Stranded AAC Track-Resistant Crosslinked Polyethylene.

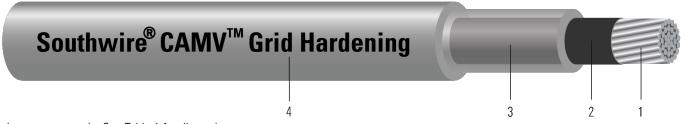


Image not to scale. See Table 1 for dimensions.

CONSTRUCTION:

- Conductor: Concentrically stranded AAC
- 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

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.
- Covering Rated 90°C Normal and 130°C 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 B231 Standard Specification for 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 |
|-----------------|---------------|------------------|----------------------------|-------------------------------|--------------------------|--------------------------|---------------|-------------------|-------------------|
| | AWG/ Kcmil | # | inch | mil | mil | mil | inch | lb/1000ft | lb |
| TBA | 1/0 | 7 | 0.336 | 15 | 75 | 75 | 0.666 | 210 | 1791 |
| TBA | 2/0 | 7 | 0.376 | 15 | 75 | 75 | 0.706 | 246 | 2259 |
| TBA | 3/0 | 7 | 0.423 | 15 | 75 | 75 | 0.753 | 289 | 2736 |
| TBA | 4/0 | 7 | 0.475 | 15 | 75 | 75 | 0.805 | 343 | 3447 |
| TBA | 266.8 | 19 | 0.537 | 15 | 75 | 75 | 0.867 | 407 | 4473 |
| TBA | 336.4 | 19 | 0.603 | 15 | 75 | 75 | 0.933 | 487 | 5535 |
| TBA | 397.5 | 19 | 0.659 | 15 | 75 | 75 | 0.989 | 558 | 6399 |
| 662400 | 397.5 | 19 | 0.659 | 25 | 75 | 75 | 1.073 | 578 | 6399 |
| TBA | 477 | 19 | 0.722 | 15 | 75 | 75 | 1.052 | 648 | 7524 |

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.