ACSR/TW

Aluminum Conductor Steel Reinforced

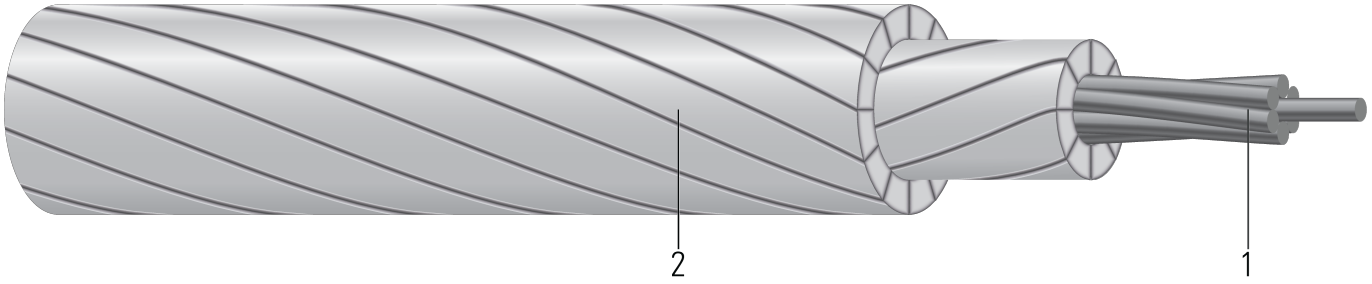

Image not to scale. See Table 1 for dimensions.

CONSTRUCTION:

1. **Core:** Class A core stranding is also available in zinc-5% aluminum-mischmetal alloy coating.
2. **Stranding:** Aluminum 1350-H19 wires, trapezoidal-shaped wires, concentrically stranded about a steel core.

- Standard core wire for ACSR is class A galvanized.
- For aluminum-clad (AW) ACSR, please refer to the ACSR/AW catalog sheet.
- Additional corrosion protection is available through the application of grease to the core or infusion of the complete cable with grease.
- ACSR conductor is also available in non-specular.

APPLICATIONS AND FEATURES:

Used as bare overhead transmission conductor and as primary and secondary distribution conductor and messenger support. ACSR offers optimal strength for line design. Variable steel core stranding enables desired strength to be achieved without sacrificing ampacity

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

Copyright © 2026 Southwire Company, LLC. All Rights Reserved