



# Covered Line Wire With Crosslinked Polyethylene (XLPE) - ACSR

ACSR Covered with Black Crosslinked Polyethylene

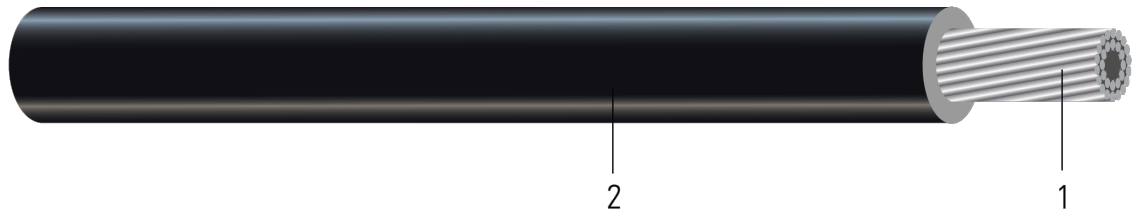


Image not to scale. See Table 1 for dimensions.

## CONSTRUCTION:

1. **Conductor:** Stranded compressed aluminum steel reinforced ACSR
2. **Insulation:** Black Crosslinked Polyethylene (XLPE)

## APPLICATIONS AND FEATURES:

Aluminum alloy 1350-H19 concentrically stranded steel reinforced ACSR. Covered with crosslinked polyethylene (XLP). Used primarily for, but not limited to, overhead secondary distribution lines. Installed on insulators, otherwise treated as a bare conductor. Crosslinked covered line wires have the below temperature ratings:

- Normal Service temperature of 90°C
- Emergency Overload of 130°C
- Short Circuit temperature of 250°C

## SPECIFICATIONS:

- ASTM B232 Concentric-Lay-Stranded, Aluminum Conductors, Coated Steel Reinforced (ACSR)
- ICEA S-70-547 Weather Resistant Polyethylene Covers Conductors



**Table 1 – Weights and Measurements**

| Code Word | Phase Cond. Size | Phase Strand | Phase Insul. Thickness | Approx. OD | Approx. Weight |
|-----------|------------------|--------------|------------------------|------------|----------------|
|           | AWG/Kcmil        | No.          | mil                    | inch       | lb/1000ft      |
| Hickory   | 4                | 7/1          | 30                     | 0.317      | 83             |

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.

**Table 2 – Electrical and Engineering Data**

| Code Word | Phase Cond. Size | Neutral Rated Breaking Strength | Allowable Ampacity In Air 75/90°C |
|-----------|------------------|---------------------------------|-----------------------------------|
|           | AWG/Kcmil        | lb                              | Amp                               |
| Hickory   | 4                | 2240                            | 105                               |

\* Inductive impedance is based on non-ferrous conduit with one diameter spacing center-to-center.