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

ACSR Covered with Black Crosslinked Polyethylene

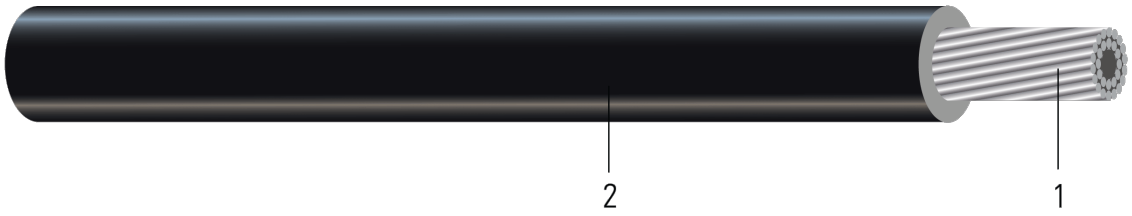


Image not to scale. See Table 1 for dimensions.

## 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 90ºC
- Emergency Overload of 130ºC
- Short Circuit temperature of 250ºC

## 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 |
| Hackberry | 266.8 | 18/1 | 60 | 0.729 | 354 |

All dimensions are nominal and subject to normal manufacturing tolerances

## Table 2 – Electrical and Engineering Data

| Code Word | Phase Cond. Size | Neutral Rated Breaking Strength | Allowable Ampacity In Air 90°C |
|---|---|---|---|
| | AWG/Kcmil | lb | Amp |
| Hackberry | 266.8 | 6540 | 438 |

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