



# Covered Line Wire With Crosslinked Polyethylene (XLPE)

Aluminum Conductor Covered with Black Crosslinked Polyethylene

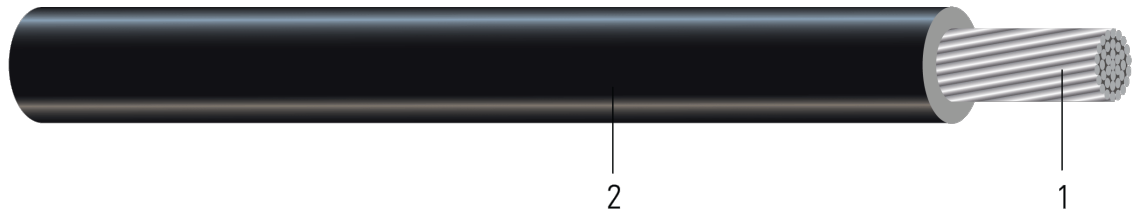


Image not to scale. See Table 1 for dimensions.

## CONSTRUCTION:

1. **Conductor:** Conductors are solid or stranded compressed aluminum
2. **Insulation:** Black Crosslinked Polyethylene (XLPE)

## APPLICATIONS AND FEATURES:

Aluminum alloy 1350-H19 or 6201 concentrically stranded. 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 B230 Aluminum, 1350-H19 Wire for Electrical Purposes
- ASTM B231 Standard Specification for Concentric-Lay-Stranded Aluminum 1350 Conductors
- ASTM B400 Standard Specification for Compact Round Concentric-Lay-Stranded, Aluminum 1350 Conductors
- 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      |
| Waterash  | 2/0              | 7            | 60                     | 567        | 195            |

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                               |
| Waterash  | 2/0              | 4160                            | 290                               |

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

