# **Covered Line Wire With Crosslinked Polyethylene (XLPE)**

Aluminum Conductor Covered with Black Crosslinked Polyethylene

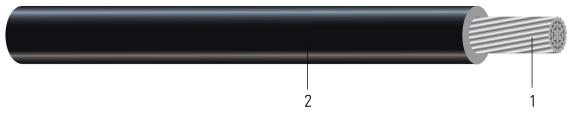


Image not to scale. See Table 1 for dimensions.

#### **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**

Stock Number	Code Word	Phase Cond. Size	Phase Strand	Phase Insul. Thickness	Approx. OD	Approx. Weight
		AWG/Kcmil	No.	mil	inch	lb/1000ft
104547	Linden	2	7	45	406	99

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 75/90°C	
	AWG/Kcmil	lb	Amp	
Linden	2	2160	190	

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

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.