



# Specification Sheet

## Lake Cable Part #: CGX182PRT19-TPE

**Description:** 18 AWG 2 pairs 19 strands tinned copper wire with XLPE insulation + uninsulated ground, unshielded with an overall TPE jacket. ʘU AWM 21184 80°C 600V

### 1. Conductor

- 1.1.AWG Size & Stranding: 18 AWG 19 Strands Class C
- 1.2.Material: Annealed Tinned Copper
- 1.3.Conductor Count: 2 Pairs + Ground

### 2. Insulation

- 2.1.Material: Cross-Linked Polyethylene
- 2.2.Wall Thickness: 0.012"
- 2.3.Diameter: 0.071" ± 0.002"
- 2.4.Color Code: Black x Red, Green x White

### 3. Cable Assembly

- 3.1.Pairs Lay Length: Cabled on Common-Axis - Pairs are separated by a Clear Mylar Wrap Binder
- 3.2.Cable Lay Length: 3.00" LHL (4.00 tw/ft)
- 3.3.Ground Wire: 22 AWG 19 Strands Tinned Copper
- 3.4.Fillers: Fibrillated Polypropylene - as Necessary for a Circular Cross-Section
- 3.5.Binder: Clear Mylar - 100% Coverage

### 4. Jacket

- 4.1.Material: Pressure Extruded Thermoplastic Elastomer
- 4.2.Wall Thickness: 0.043"
- 4.3.Diameter: 0.265" ± 0.010"
- 4.4.Color: Black
- 4.5.Ripcord: No
- 4.6.Weight: 61 Lbs/Mft

### 5. Markings

- 5.1.Type: Cable permanently identified via surface inkjet print
- 5.2.Legend: LAKE CABLE E206787 18AWG 2PR + GROUND ʘU AWM 21184 600V 80C  
"ROHS COMPLIANT" MADE IN USA
- 5.3.Footage Markers: Yes

### 6. Nominal Electrical Characteristics

- 6.1.Capacitance: 20 pF/ft
- 6.2.Impedance: 80 Ω ± 8Ω
- 6.3.DC Resistance: 5.8 Ω/Mft @ 20°C
- 6.4.Operating Voltage: 600V RMS

### 6. Standards

- 6.1. UL recognized component as AWM 21184 per UL standard 758
- 6.2. Cable meets RoHS 2002/95/EC Directive, RoHS 2 2011/65/EU Directive, RoHS 3 2015/863/EU Directive
- 6.3. Cable is REACH compliant per Regulation (EC) No 1907/2006 (219) Updated January 15, 2021
- 6.4. Made in the USA
- 6.5. ⚠️ WARNING: This product may contain chemicals, such as Vinyl Chloride, known to the state of California to cause cancer. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov). Wash hands after handling

**ALL SPECIFIED PARAMETERS WITHOUT A TOLERANCE ARE NOMINAL AND SUBJECT TO VERIFICATION. LAKE CABLE IS NOT RESPONSIBLE FOR UNKNOWN PERFORMANCE ATTRIBUTES THAT WERE NOT MADE KNOWN TO LAKE CABLE AT THE TIME OF DESIGN.**

Your signature constitutes that you have read and agreed to this specification sheet and upon confirmation of your order; this item may be non-cancelable and non-returnable.

*Melissa Jankowski*

Signature

NEP Electronics, Inc.

Company

5.6.22

Date