



# Specification Sheet

## Lake Cable Part #: IM502142T/19

**Description:** 14 AWG 2 conductor 19 strand tinned copper with PE insulation, shielded with overall PE jacket loop detector lead-in cable, 600V rated, for use in traffic signal installations and suitable for conduit installation in wet or dry locations.

### 1. Conductor

- 1.1. AWG Size & Stranding: 14 AWG 19 Strands Class C
- 1.2. Material: Annealed Tinned Copper
- 1.3. Conductor Count: 2 Conductors

### 2. Insulation

- 2.1. Material: Polyethylene
- 2.2. Wall Thickness: 0.030"
- 2.3. Color Code: Per IMSA Specification 50-2

### 3. Assembly

- 3.1. Lay Length: Per IMSA Specification 50-2
- 3.2. Shield: Aluminum/Mylar shield - 100% coverage (Foil facing out)
- 3.3. Drain wire: 16 AWG 7 strand tinned copper

### 4. Jacket

- 4.1. Material: Polyethylene
- 4.2. Wall Thickness: 0.030"
- 4.3. Diameter: 0.338"
- 4.4. Color: Black
- 4.5. Ripcord: Yes
- 4.6. Weight: 62 lbs./Mft.

### 5. Markings

- 5.1. Type: Cable shall be permanently identified via surface printing
- 5.2. Legend: LAKE CABLE IMSA 50-2 600V 75°C 14AWG (YEAR OF MFG) "ROHS"
- 5.3. Footage Markers: Yes

### 6. Standards

- 6.1. International Municipal Signal Association 50-2.
- 6.2. Operating Temperature Range: -40°C to 75°C
- 6.3. DC Resistance, Nominal: 2.79  $\Omega$ /Mft.
- 6.4. All materials used in the manufacture of this cable are RoHS compliant
- 6.5. Made in the USA

***ALL SPECIFIED PARAMETERS ARE NOMINAL AND SUBJECT TO VERIFICATION***