LAKE CABLE
When Delivery Matters...

529 Thomas Drive, Bensenville, IL 60106 | TF: 888.518.8086 | FX: 630.860.5944

Specification Sheet

Lake Cable Part #: SVW124(65)/BRD/M4-ER-CE/ASC

Description: 12 AWG 4 conductor 65 strand bare copper with PVC/Nylon insulation, a tinned copper braid shield and an overall PVC jacket 600V control tray cable, approved for use in SUN RES DIR BUR 90°C applications. Also approved for C(UL) CIC-TC applications.

1. **Conductor**
   - 1.1. AWG Size & Stranding: 12 AWG 65 Strands Class K
   - 1.2. Material: Annealed Bare Copper
   - 1.3. Conductor Count: 4 Conductors

2. **Insulation**
   - 2.1. Material: PVC/Nylon
   - 2.2. Wall Thickness: 0.017" PVC & 0.005" Nylon
   - 2.3. Color Code: Black & Numbered
   - 2.4. Diameter: 0.130" ± 0.002"

3. **Cable Assembly**
   - 3.1. Lay Length: 4.00" RHL, Nominal
   - 3.2. Binder: Clear Mylar Tape - 100% Coverage
   - 3.3. Shield: Tinned Copper Braid - 85% Min. Coverage
   - 3.4. Separator: Tissue Paper

4. **Jacket**
   - 4.1. Material: Pressured Extruded TPE
   - 4.2. Wall Thickness: 0.045"
   - 4.3. Diameter: 0.431" ± 0.010"
   - 4.4. Color: Matte Black
   - 4.5. Ripcord: N/A
   - 4.6. Cold Bend Rating: -40°C
   - 4.7. Weight: 175 lbs/Mft

5. **Markings**
   - 5.1. Type: Cable permanently identified via surface inkjet print
   - 5.2. Legend: ASCENT ~~E478019~~ E478019-LU 12AWG 4C SHIELDED (UL) TC-ER THWN-2/VW-1 600V 90C DRY/WET TPE JACKET SUN RES DIR BUR OR WTTC 1KV OR CIC-TC C(UL) 12AWG 4C PVC/N SHIELDED 600V FT1 FT4 90C DRY 75C WET SR CE MADE IN USA
   - 5.3. Footage Markers: Yes

6. **Nominal Electrical Characteristics**
   - 6.1. Conductor DCR: 5.54 Ω/km @ 20C Maximum
   - 6.2. Capacitance: 42 pF/ft.
   - 6.3. Impedance: 41Ω ± 10%

7. **Mechanical Characteristics**
   - 7.1. Static: 5X Cable OD
   - 7.2. Dynamic: 15X Cable OD

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.

Signature

Company

Date

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8. Standards

8.1. Cable suitable for installation under NEC (NFPA 70) article 336 for installation guidelines
8.2. Cable is suitable for use in Class I Division 2 hazardous locations
8.3. UL listed as Type TC-ER per UL Standard 1277 for tray cables
8.4. UL approved for Direct Burial and Sunlight Resistant applications
8.5. UL listed as Type WTTC per UL Standard 2277 for wind turbine tray cables
8.6. Cable meets UL 1581 & 1202 (FT-4) 70,000 BTU/HR requirements
8.7. Listed as Type CIC-TC per CSA Standard 22.2 No. 239-17 & 230-09
8.8. In compliance with the Low Voltage Directive 2006/95/EC
8.9. Designed to be in compliance 2014/30/EU, however not tested to
8.10. Product is marked CE in accordance with EC Declaration of Conformity
8.11. Cable meets RoHS 2002/95/EC Directive, RoHS 2 2011/65/EU Directive & RoHS 3 2015/863/EU Directive
8.12. Cable is REACH compliant per Regulation (EC) No 1907/2006 Updated January, 17 2022
8.13. Made in the USA
8.14. ⚠ WARNING: This product may contain chemicals, such as Vinyl Chloride, known to the state of California to cause birth defects or other reproductive harm. For more information, go to 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.