



Specification Sheet

Lake Cable Part #: AVCC163CRG59DB/PVC

Description: Two-element composite cable made flat with an overall PVC jacket for Traffic Surveillance Camera Applications suitable for Outdoor use and Sun Res

- (3C) 16 AWG 19 Strands BC PVC insulated
- (1C) 20 AWG Solid BC PE insulated Dual Braid Shield PE Jacket

Element 1: (Power/Control) 16 AWG 3C Unshielded with a PVC jacket

1. Conductor

- 1.1. AWG & Stranding: 16 AWG 19 Strands Class C
- 1.2. Material: Annealed Bare Copper
- 1.3. Conductor Count: 3 Conductors

2. Insulation

- 2.1. Material: Polyvinylchloride
- 2.2. Wall Thickness: 0.032"
- 2.3. Color Code: Black, White & Green

3. Assembly

- 3.1. Cable Lay: 4.00" Left Hand Lay (3 tw/ft)
- 3.2. Binder: Tissue Wrap - 100% Coverage
- 3.3. Fillers: As Necessary for a Circular Cross Section

4. Jacket

- 4.1. Material: Polyvinylchloride
- 4.2. Wall Thickness: 0.033"
- 4.3. Diameter: 0.331" ± 0.015"
- 4.4. Color: Black
- 4.5. Ripcord: No

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

Element 2: (Precision Video Coax) 20 AWG (2) 98% TC braid shields and a PE jacket

5. Conductor

- 5.1. AWG & Stranding: 20 AWG Solid
- 5.2. Material: Bare Copper
- 5.3. Conductor Count: 1 Conductor

6. Dielectric

- 6.1. Material: Polyethylene
- 6.2. Diameter: 0.198" ± 0.002"
- 6.3. Color: Natural

7. Shield

- 7.1. Braid Shield: (2) 98% Coverage - Tinned Copper Braids

8. Jacket

- 8.1. Material: Polyethylene
- 8.2. Wall Thickness: 0.032"
- 8.3. Diameter: 0.304" ± 0.008"
- 8.4. Color: Black



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9. Markings

- 9.1. Type: Cable permanently identified via surface indent legend
- 9.2. Legend: AVALANCHE™ PRECISION VIDEO RG59/U 75Ω 20AWG DIR BUR, SUN RES MADE IN USA "ROHS"
- 9.3. Footage Markers: No

10. Nominal Electrical Characteristics

- 10.1. DC Resistance: 10.2 Ω/Mft
- 10.2. Shield Resistance: 1.85 Ω/Mft
- 10.3. Capacitance: 21 pF/ft
- 10.4. Impedance: 75 Ω ± 2 @ 20°C
- 10.5. Propagation Velocity: 66%
- 10.6. Return Loss: >-23 dB (1MHz to 455MHz)
>-19 dB (455MHz to 1000MHz)

Typical Attenuation Chart

Frequency (In MHz)	1	3.58	5	7	10	67.5	71.05	100	135	143	180	270	360	540	720	1000
Attenuation (dB/100ft)	0.14	0.46	0.53	0.61	0.67	1.98	2.06	2.25	2.53	2.57	2.73	4.27	4.88	6.56	7.69	9.09

Overall Cable Assembly

11. Assembly - Elements 1 & 2

- 11.1. Cable Lay: Elements are Pulled In Parallel @ Jacketing

12. Jacket

- 12.1. Material: Polyvinylchloride
- 12.2. Wall Thickness: 0.030"
- 12.3. Diameter: 0.390" x 0.700" ± 0.025"
- 12.4. Color: Black
- 12.5. Ripcord: Yes
- 12.6. Weight: 190 lbs/Mft

13. Markings

- 13.1. Type: Cable permanently identified via surface indent legend
- 13.2. Legend: TRAFFIC CONTROL CABLE 16-3C 600V / PRECISION VIDEO SUITABLE FOR DIRECT BURIAL AND SUNLIGHT RESISTANT MFG BY LAKE CABLE "ROHS II" MADE IN USA
- 13.3. Footage Markers: No

14. Standards

- 14.1. Iteris traffic surveillance camera applications
- 14.2. All materials used in the manufacture of this cable are RoHS II and REACH compliant
- 14.3. Made in the USA



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

ALL SPECIFIED PARAMETERS ARE NOMINAL AND SUBJECT TO VERIFICATION