

Part Number: 5100U1

Security & Sound, 2 Conductor 14 AWG TC, Waterblocked, CL3



Product Description

Security & Commercial Audio Cable, 2 Conductor 14 AWG stranded (19x27) tinned copper conductors with PVC insulation, Waterblocking tape, CL3, PVC jacket with ripcord.

Technical Specifications

Product Overview

| | |
|------------------------|--|
| Environmental Space: | Indoor (Not Riser or Plenum) |
| Suitable Applications: | Intercom/PA Systems, Sound/Audio Systems |

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material | No. of Conductors |
|-----|-----------|--------------------|-------------------|
| 14 | 19x27 | TC - Tinned Copper | 2 |

| | |
|------------------|--------|
| Conductor Count: | 2 |
| Conductor Size: | 14 AWG |

Insulation

| Material | Nominal Wall Thickness |
|--------------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.014 in |

Color Chart

| Number | Color |
|--------|-------|
| 1 | Black |
| 2 | White |

Outer Shield Material

| Material |
|------------|
| Unshielded |

Outer Jacket Material

| Material | Nominal Diameter | Nominal Wall Thickness | Ripcord |
|--------------------------|------------------|------------------------|---------|
| PVC - Polyvinyl Chloride | 0.29 in | 0.025 in | Yes |

Construction and Dimensions

Cabling

| Lay Length | Twists |
|------------|------------|
| 3 in | 4 twist/ft |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR |
|-----------------------|
| 2.5 Ohm/1000ft |

Capacitance

| Nom. Capacitance Conductor to Conductor |
|---|
| 30 pF/ft |

| | |
|------------|------------|
| Shielding: | Unshielded |
|------------|------------|

Inductance

| |
|---------------------------|
| Nominal Inductance |
| 0.15 µH/ft |

Current

| |
|-------------------------------------|
| Max. Recommended Current [A] |
| 8 Amps per conductor @ 25°C |

Voltage

| |
|--------------------------|
| UL Voltage Rating |
| 300V RMS |

Temperature Range

| | |
|-----------------------|-----------------|
| UL Temp Rating: | 105°C |
| Operating Temp Range: | -20°C To +105°C |

Mechanical Characteristics

| | |
|----------------------------------|---------------|
| Bulk Cable Weight: | 44 lbs/1000ft |
| Max Recommended Pulling Tension: | 95 lbs |
| Min Bend Radius/Minor Axis: | 2.875 in |

Standards

| | |
|-------------------------|-----|
| NEC Articles: | 725 |
| NEC/(UL) Specification: | CL3 |

Applicable Environmental and Other Programs

| | |
|---------------------------------------|-------------------------------|
| EU Directive 2000/53/EC (ELV): | Yes |
| EU Directive 2011/65/EU (ROHS II): | Yes |
| EU Directive 2012/19/EU (WEEE): | Yes |
| EU Directive 2015/863/EU: | Yes |
| EU Directive Compliance: | EU Directive 2003/11/EC (BFR) |
| EU CE Mark: | Yes |
| EU RoHS Compliance Date (yyyy-mm-dd): | 2011-11-11 |
| CA Prop 65 (CJ for Wire & Cable): | Yes |
| MII Order #39 (China RoHS): | Yes |

Suitability

| | |
|------------------------|-----|
| Suitability - Indoor: | Yes |
| Suitability - Outdoor: | Yes |

Flammability, LS0H, Toxicity Testing

| | |
|--------------------|-------------------|
| UL Flammability: | UL1685 UL Loading |
| UL Voltage Rating: | 300 V RMS |

Plenum/Non-Plenum

| | |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

Part Number

Variants

| Item # | Color | Footnote |
|----------------|-------|----------|
| 5100U1 0101000 | BLACK | C |
| 5100U1 0081000 | GRAY | C |

| | |
|-----------|------------------------|
| Footnote: | C - CRATE REEL PUT-UP. |
|-----------|------------------------|

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