



Part Number: 5140U1

Security & Sound, #14-2c, TC, CMG-FPL-PLTC-ER, Water-Blocked

Product Description

Security & Sound Cable, Rated-CMG-FPL-PLTC-ER, 1-14 AWG stranded tinned copper pair with PVC insulation, Waterblocking tape, PVC jacket

Technical Specifications

Product Overview

| | |
|------------------------|--|
| Suitable Applications: | Low Voltage, Water-Blocked for Use in Underground Ducts, PLTC, FPL, Intercom, Sound, Audio |
|------------------------|--|

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material | No. of Pairs |
|-----|-----------|--------------------|--------------|
| 14 | 19x27 | TC - Tinned Copper | 1 |

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

Insulation

| Material | Nominal Wall Thickness |
|--------------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.022 in |

Color Chart

| Number | Color |
|--------|-------------|
| 1 | Black & Red |

Outer Shield Material

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

| | |
|-------|--------------------|
| Note: | Waterblocking tape |
|-------|--------------------|

Outer Jacket Material

| Material | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.356 in | 0.042 in |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR | Nominal Conductor DCR | Conductor Resistance |
|-----------------------|-----------------------|----------------------|
| 3.05 Ohm/1000ft | 3.05 Ohm/1000ft | |

Capacitance

| Nom. Capacitance | Conductor to Conductor |
|------------------|------------------------|
| 31 pF/ft | |

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

Voltage

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

Temperature Range

| | |
|-----------------------|-----------------|
| UL Temp Rating: | 105°C |
| Operating Temp Range: | -30°C To +105°C |

Mechanical Characteristics

| | |
|----------------------------------|---------------|
| Bulk Cable Weight: | 58 lbs/1000ft |
| Max Recommended Pulling Tension: | 95 lbs |
| Min Bend Radius/Minor Axis: | 3.25 in |

Standards

| | |
|--------------------------|-------------------|
| NEC Articles: | 800, 760, 725 |
| NEC/(UL) Specification: | CMG, FPL, PLTC-ER |
| CEC/C(UL) Specification: | CMG |
| CPR Euroclass: | Eca |

Applicable Environmental and Other Programs

| | |
|---------------------------------------|------------|
| EU Directive 2000/53/EC (ELV): | Yes |
| EU Directive 2003/11/EC (BFR): | 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: | Yes |
| EU CE Mark: | Yes |
| EU RoHS Compliance Date (yyyy-mm-dd): | 2006-11-08 |
| CA Prop 65 (CJ for Wire & Cable): | Yes |
| MII Order #39 (China RoHS): | Yes |

Suitability

| | |
|------------------------------------|-----|
| Suitability - Burial: | Yes |
| Suitability - Indoor: | Yes |
| Suitability - Outdoor: | Yes |
| Suitability - Sunlight Resistance: | Yes |

Flammability, LS0H, Toxicity Testing

| | |
|--------------------|-------------------------------|
| UL Flammability: | UL1685 FT4 loading |
| CSA Flammability: | FT4 |
| IEEE Flammability: | 1202 Vertical Tray Flame Test |
| UL voltage rating: | 300 V RMS |

Plenum/Non-Plenum

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

Part Number

Variants

| Item # | Color |
|----------------|-------|
| 5140U1 0101000 | Black |
| 5140U1 0021000 | Red |

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