



Product: [5140U1](#)

Security & Sound, #14-1pr, TC, CL3-FPL-PLTC, Water-Blocked

Product Description

Security & Sound Cable, Rated-CL3-FPL-PLTC, 1-14 AWG stranded tinned copper pair with PVC insulation, Waterblocking tape, PVC jacket

Technical Specifications

Product Overview

| | |
|------------------------|---|
| Suitable Applications: | Security System, Intercom/PA, Audio/Speaker, Fire Alarm (Red Jkt), Power-Limited Controls, Wet Location, Below-Grade Duct |
|------------------------|---|

Construction Details

Conductor

| Element | No. of Elements | Size | Stranding | Material |
|---------|-----------------|--------|-----------|--------------------|
| Pair(s) | 1 | 14 AWG | 19x26 | TC - Tinned Copper |

Insulation

| Element | Material | Nom. Thickness | Nom. Insulation Diameter | Color Code |
|---------|--------------------------|--------------------|--------------------------|-------------|
| Pair(s) | PVC - Polyvinyl Chloride | 0.022 in (0.56 mm) | 0.120 in (3.05 mm) | Black & Red |

| | |
|----------------|-----------------|
| Waterblocking: | Waterblock Tape |
|----------------|-----------------|

Outer Jacket

| Material | Nom. Thickness | Nom. Diameter |
|--------------------------|-------------------|--------------------|
| PVC - Polyvinyl Chloride | 0.042 in (1.1 mm) | 0.356 in (9.04 mm) |

| | |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.356 in (9.04 mm) |
|-----------------------------------|--------------------|

Electrical Characteristics

Electricals

| Element | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond |
|---------|--------------------|-------------------------------|
| Pair(s) | 3.05 Ohm/1000ft | 31 pF/ft (100 pF/m) |

Voltage

| UL Voltage Rating |
|---------------------------|
| 300 V (CL3, FPL, PLTC-ER) |

Mechanical Characteristics

Temperature

| UL Temperature | Operating |
|----------------|-----------------|
| 105°C | -30°C to +105°C |

Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
| 3.6 in (91 mm) | 3.6 in (91 mm) |

| | |
|--------------------|----------------|
| Max. Pull Tension: | 95 lbs (43 kg) |
| Bulk Cable Weight: | 59 lbs/1000ft |

Standards and Compliance

| | |
|----------------------------------|---|
| Environmental Suitability: | Indoor/Outdoor, Indoor, Outdoor, Sunlight Resistance, Burial |
| Sustainability: | Product Lens™, Environmental Product Declaration (EPD) Available |
| Flammability / Reaction to Fire: | UL 1685 FT4 Loading, FT4, IEEE 1202, IEC 60332-1-2 |
| CPR Compliance: | CPR Euroclass: Eca |
| NEC / UL Compliance: | Article 725, Article 760, Article 800 |
| CEC / C(UL) Compliance: | CL3 |
| European Directive Compliance: | EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE) |
| UK Regulation Compliance: | UKCA Mark |
| APAC Compliance: | China RoHS II (GB/T 26572-2011) |

History

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|----------------------|--|
| Update and Revision: | Revision Number: 0.431 Revision Date: 02-03-2025 |
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Part Numbers

Variants

| Item # | Color | UPC |
|----------------|-------|--------------|
| 5140U1 0101000 | Black | 612825157205 |
| 5140U1 0021000 | Red | 612825157182 |

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