



Product: [5140U1](#)

Security & Sound, #14-1pr, 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: | Security System, Intercom/PA, Audio/Speaker, Fire Alarm (Red Jkt), Power-Limited Controls, Wet Location, Below-Grade Duct |
|------------------------|---------------------------------------------------------------------------------------------------------------------------|

Construction Details

Conductor

| Element | Number of Element | AWG | Stranding | Material           |
|---------|-------------------|-----|-----------|--------------------|
| Pair(s) | 1                 | 14  | 19x26     | TC - Tinned Copper |

Insulation

| Element | Material                 | Thickness [in.] | Color Code  |
|---------|--------------------------|-----------------|-------------|
| Pair(s) | PVC - Polyvinyl Chloride | 0.022           | Black & Red |

|                |                                    |
|----------------|------------------------------------|
| Waterblocking: | Super Absorbant Polymer (SAP) Tape |
|----------------|------------------------------------|

Outer Jacket Material

| Material           | Thickness | Nom. Diameter |
|--------------------|-----------|---------------|
| PP - Polypropylene | 0.042 in  | 0.356 in      |

|                           |          |
|---------------------------|----------|
| Cable Diameter (Nominal): | 0.356 in |
|---------------------------|----------|

Electrical Characteristics

Electricals

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

Voltage

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

Mechanical Characteristics

Temperature

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

Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
| 3.25 in         | 3.6 in            |

|                    |               |
|--------------------|---------------|
| Max. Pull Tension: | 95 lbs        |
| Bulk Cable Weight: | 58 lbs/1000ft |

Standards and Compliance

|                                 |                                                                                                         |
|---------------------------------|---------------------------------------------------------------------------------------------------------|
| Environmental Suitability:      | Indoor/Outdoor, Indoor, Outdoor, Sunlight Resistance, Burial                                            |
| Sustainability:                 | Product Lens™, Environmental Product Declaration (EPD) Available                                        |
| Flammability / Fire Resistance: | UL1685 (FT4 Loading), FT4, 1202, IEC 60332-1-2                                                          |
| NEC / UL Compliance:            | Article 725, Article 760, Article 800, CMG, FPL, PLTC-ER                                                |
| CEC / C(UL) Compliance:         | CMG                                                                                                     |
| CPR Euroclass:                  | Eca                                                                                                     |
| European Directive Compliance:  | EU CE Mark, EU Directive 2015/863/EU, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE) |
| APAC Compliance:                | China RoHS II (GB/T 26572-2011)                                                                         |

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.240 Revision Date: 07-28-2020 |
|----------------------|--------------------------------------------------|

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