



**Product:** [5500U1](#) 

Security & Sound, #22-2c, TC, CM, Water-Blocked

## Product Description

Security & Sound Cable, Rated-CM, 2-22 AWG stranded tinned copper conductors with PVC insulation, Waterblocking tape, PVC jacket with ripcord

## Technical Specifications

### Product Overview

|                        |                                                                                                     |
|------------------------|-----------------------------------------------------------------------------------------------------|
| Suitable Applications: | Security System, Intercom/PA, Audio/Speaker, Power-Limited Controls, Wet Location, Below-Grade Duct |
|------------------------|-----------------------------------------------------------------------------------------------------|

### Construction Details

#### Conductor

| Element      | No. of Elements | Size   | Stranding | Material           |
|--------------|-----------------|--------|-----------|--------------------|
| Conductor(s) | 2               | 22 AWG | 7x30      | TC - Tinned Copper |

#### Insulation

| Element      | Material                 | Nom. Thickness     | Nom. Insulation Diameter | Color Code |
|--------------|--------------------------|--------------------|--------------------------|------------|
| Conductor(s) | PVC - Polyvinyl Chloride | 0.011 in (0.28 mm) | 0.051 in (1.3 mm)        | Black, Red |

#### Outer Shield

| Material  |
|-----------|
| No Shield |

#### Outer Jacket

| Separator          | Material                 | Nom. Thickness     | Nom. Diameter | Ripcord |
|--------------------|--------------------------|--------------------|---------------|---------|
| Waterblocking Tape | PVC - Polyvinyl Chloride | 0.025 in (0.64 mm) | 0.185 in      | Yes     |

|                                   |          |
|-----------------------------------|----------|
| Overall Cable Diameter (Nominal): | 0.185 in |
|-----------------------------------|----------|

### Electrical Characteristics

#### Electricals

| Nom. Conductor DCR | Max. Current                   |
|--------------------|--------------------------------|
| 17.9 Ohm/1000ft    | 2.8 Amps per Conductor at 25°C |

#### Voltage

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

### Mechanical Characteristics

#### Temperature

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

#### Bend Radius

| Stationary Min.   | Installation Min. |
|-------------------|-------------------|
| 1.85 in (47.0 mm) | 1.85 in           |

|                    |                    |
|--------------------|--------------------|
| Max. Pull Tension: | 18.2 lbs (8.26 kg) |
|--------------------|--------------------|

|                    |               |
|--------------------|---------------|
| Bulk Cable Weight: | 13 lbs/1000ft |
|--------------------|---------------|

Standards and Compliance

|                                  |                                                                                                                                              |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Environmental Suitability:       | Outdoor - Water Exposure, Indoor, Outdoor                                                                                                    |
| Flammability / Reaction to Fire: | UL1685 UL Loading                                                                                                                            |
| NEC / UL Compliance:             | Article 800, CM                                                                                                                              |
| CEC / C(UL) Compliance:          | CM                                                                                                                                           |
| 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), REACH: 2019-06-20 |
| APAC Compliance:                 | China RoHS II (GB/T 26572-2011)                                                                                                              |

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.103 Revision Date: 09-07-2025 |
|----------------------|--------------------------------------------------|

Part Numbers

Variants

| Item #         | Color | Putup Type | Length   |
|----------------|-------|------------|----------|
| 5500U1 0101000 | Black | Reel       | 1,000 ft |

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