



Product: [5202U1](#)

Security & Sound, #16-4c, TC, CMG, Water-blocked

Product Description
Security & Sound Cable, CMG, 4-16 AWG stranded tinned copper conductors with PVC, Waterblocking tape and 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) | 4 | 16 | 7x24 | TC - Tinned Copper |

Insulation

| Material | Nom. Thickness | Nom. Insulation Diameter | Color Code |
|--------------------------|--------------------|--------------------------|--------------------------|
| PVC - Polyvinyl Chloride | 0.017 in (0.43 mm) | 0.09 in (2.3 mm) | Black, White, Red, Green |

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

Outer Jacket

| Separator | Material | Nom. Thickness | Nom. Diameter |
|--------------------|--------------------------|-------------------|--------------------|
| Waterblocking Tape | PVC - Polyvinyl Chloride | 0.042 in (1.1 mm) | 0.337 in (8.56 mm) |

Electrical Characteristics

Electricals

| Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Max. Current |
|--------------------|-------------------------------|------------------------------|
| 4.35 Ohm/1000ft | 33 pF/ft (110 pF/m) | 9 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. |
|-------------------|-------------------|
| 3.37 in (85.6 mm) | 3.37 in |

| | |
|--------------------|-------------------|
| Max. Pull Tension: | 142 lbs (64.4 kg) |
| Bulk Cable Weight: | 67 lbs/1000ft |

Standards and Compliance

| | |
|----------------------------------|---|
| Environmental Suitability: | Indoor, Outdoor, Sunlight Resistance, Oil Resistance, Burial |
| Flammability / Reaction to Fire: | UL1685 FT4 Loading, FT4, IEEE 1202 Vertical Tray Flame Test |
| NEC / UL Compliance: | Article 725, Article 760, Article 800, CMG, FPL, PLTC |
| CEC / C(UL) Compliance: | CMG |
| 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) |
| APAC Compliance: | China RoHS II (GB/T 26572-2011) |

History

| | |
|----------------------|--|
| Update and Revision: | Revision Number: 0.424 Revision Date: 02-03-2025 |
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Part Numbers

Variants

| Item # | Color | UPC | Footnote |
|----------------|-------|--------------|----------|
| 5202U1 0101000 | Black | 612825158172 | C |

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