



**Product:** [5302U1](#) 

Security & Sound, #18-4c, TC, CMG-FPL-PLTC, Water-Blocked

**Product Description**  
Security & Sound Cable, Rated-CMG-FPL-PLTC, 4-18 AWG stranded tinned copper conductors with PVC insulation, Waterblocking tape, PVC jacket

**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               | 18 AWG | 7x26      | TC - Tinned Copper |

**Insulation**

| Element      | Material                 | Nom. Thickness     | Nom. Insulation Diameter | Color Code               |
|--------------|--------------------------|--------------------|--------------------------|--------------------------|
| Conductor(s) | PVC - Polyvinyl Chloride | 0.017 in (0.43 mm) | 0.080 in (2.0 mm)        | Black, White, Red, Green |

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

**Outer Jacket**

| Material                 | Nom. Thickness    | Nom. Diameter      |
|--------------------------|-------------------|--------------------|
| PVC - Polyvinyl Chloride | 0.042 in (1.1 mm) | 0.309 in (7.85 mm) |

|                                   |                    |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.309 in (7.85 mm) |
|-----------------------------------|--------------------|

**Electrical Characteristics**

**Electricals**

| Element      | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Max. Current                  |
|--------------|--------------------|-------------------------------|-------------------------------|
| Conductor(s) | 5.9 Ohm/1000ft     | 30 pF/ft (98 pF/m)            | 7.2 Amps per conductor @ 25°C |

**Voltage**

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

**Mechanical Characteristics**

**Temperature**

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

**Bend Radius**

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
| 3.1 in (79 mm)  | 3.1 in (79 mm)    |

|                    |                |
|--------------------|----------------|
| Max. Pull Tension: | 89 lbs (40 kg) |
| Bulk Cable Weight: | 40 lbs/1000ft  |

Standards and Compliance

|                                  |                                                                                                                           |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Environmental Suitability:       | Indoor/Outdoor, Indoor, Outdoor, Sunlight Resistance                                                                      |
| Flammability / Reaction to Fire: | UL 1685 FT4 Loading, FT4, IEEE 1202                                                                                       |
| CPR Compliance:                  | CPR Euroclass: Eca                                                                                                        |
| NEC / UL Compliance:             | Article 725, Article 760, Article 800                                                                                     |
| 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) |
| UK Regulation Compliance:        | UKCA Mark                                                                                                                 |

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.426 Revision Date: 04-14-2023 |
|----------------------|--------------------------------------------------|

Part Numbers

Variants

| Item #         | Color | UPC          | Footnote |
|----------------|-------|--------------|----------|
| 5302U1 0101000 | Black | 612825159797 | C        |

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