




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

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

Variants

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

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