



Product: [5240F1](#)

Security & Sound, #16-2c, TC, Shielded, CMG-FPL-PLTC-ER, Water-Blocked

Product Description

Security & Sound Cable, Rated-CMG-FPL-PLTC, 1-16 AWG stranded tinned copper pair with PVC insulation, Beldfoil® shield, Waterblocking tape, PVC jacket

Technical Specifications

Product Overview

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

Construction Details

Conductor

| Element | Number of Element | Size | Stranding | Material |
|---------|-------------------|--------|-----------|--------------------|
| Pair(s) | 1 | 16 AWG | 7x24 | TC - Tinned Copper |

Insulation

| Element | Material | Nom. Thickness | Color Code |
|---------|--------------------------|--------------------|-------------|
| Pair(s) | PVC - Polyvinyl Chloride | 0.010 in (0.25 mm) | Black & Red |

Outer Shield

| Shield Type | Material | Coverage | Drainwire Type |
|-------------|-------------------------|----------|------------------|
| Tape | Bi-Laminate (Alum+Poly) | 100% | 18 AWG (7x26) TC |

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

Outer Jacket

| Material | Nom. Thickness | Nom. Diameter |
|--------------------------|--------------------|--------------------|
| PVC - Polyvinyl Chloride | 0.037 in (0.94 mm) | 0.254 in (6.45 mm) |

| | |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.254 in (6.45 mm) |
|-----------------------------------|--------------------|

Electrical Characteristics

Electricals

| Element | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond |
|---------|----------------------------|-------------------------------|
| Pair(s) | 4.4 Ohm/1000ft (14 Ohm/km) | 76 pF/ft (250 pF/m) |

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. |
|-----------------|-------------------|
| 2.5 in (64 mm) | 2.5 in (64 mm) |

| | |
|--------------------|--------------------------|
| Max. Pull Tension: | 93 lbs |
| Bulk Cable Weight: | 34 lbs/1000ft (51 kg/km) |

Standards and Compliance

| | |
|----------------------------------|---|
| Environmental Suitability: | Indoor/Outdoor, Indoor, Outdoor, Sunlight Resistance, Burial |
| Sustainability: | Product Lens™, Environmental Product Declaration (EPD) Available |
| Flammability / Reaction to Fire: | UL1685 (FT4 Loading), FT4, 1202 |
| NEC / UL Compliance: | Article 725, Article 760, Article 800, CMG, FPL, PLTC-ER |
| 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: 0.278 Revision Date: 12-15-2021 |
|----------------------|--|

Variants

| Item # | Color | UPC |
|----------------|-------|--------------|
| 5240F1 0021000 | Black | 612825158684 |
| 5240F1 0101000 | Black | 612825158691 |

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