

**Part Number: 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: | Low Voltage, Water-Blocked for Use in Underground Ducts, PLTC, FPL, Intercom, Sound, Audio |
|------------------------|--|

### Physical Characteristics (Overall)

#### Conductor

| AWG | Stranding | Material           | No. of Pairs |
|-----|-----------|--------------------|--------------|
| 16  | 7x24      | TC - Tinned Copper | 1            |

|                  |        |
|------------------|--------|
| Conductor Count: | 2      |
| Conductor Size:  | 16 AWG |

#### Insulation

| Material                 | Nominal Wall Thickness |
|--------------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.01 in                |

#### Color Chart

| Number | Color       |
|--------|-------------|
| 1      | Black & Red |

#### Outer Shield Material

| Type | Material           | Material Trade Name | Coverage [%] | Drainwire Material | Drainwire AWG | Drainwire Construction n x D |
|------|--------------------|---------------------|--------------|--------------------|---------------|------------------------------|
| Tape | Aluminum/Polyester | Beldfoil®           | 100 %        | TC - Tinned Copper | 18            | (7x26)                       |

|       |                    |
|-------|--------------------|
| Note: | Waterblocking tape |
|-------|--------------------|

#### Outer Jacket Material

| Material                 | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.254 in         | 0.037 in               |

### Electrical Characteristics

#### Conductor DCR

| Nominal Conductor DCR | Nominal Conductor DCR | Conductor Resistance | Nominal Outer Shield DCR |
|-----------------------|-----------------------|----------------------|--------------------------|
| 4.4 Ohm/1000ft        | 4.4 Ohm/1000ft        |                      | 16.9 Ohm/1000ft          |

#### Capacitance

| Nom. Capacitance Conductor to Conductor |
|---|
| 76 pF/ft                                |

|            |                           |
|------------|---------------------------|
| Shielding: | Foil(s) or Copper Tape(s) |
|------------|---------------------------|

#### Voltage

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

### Temperature Range

|                       |                 |
|-----------------------|-----------------|
| UL Temp Rating:       | 105°C           |
| Operating Temp Range: | -30°C To +105°C |

## Mechanical Characteristics

|                                  |               |
|----------------------------------|---------------|
| Bulk Cable Weight:               | 34 lbs/1000ft |
| Max Recommended Pulling Tension: | 93 lbs        |
| Min Bend Radius/Minor Axis:      | 2.75 in       |

## Standards

|                          |                   |
|--------------------------|-------------------|
| NEC Articles:            | 800, 760, 725     |
| NEC/(UL) Specification:  | CMG, FPL, PLTC-EC |
| CEC/C(UL) Specification: | CMG               |

## Applicable Environmental and Other Programs

|                                       |            |
|---------------------------------------|------------|
| EU Directive 2000/53/EC (ELV):        | Yes        |
| EU Directive 2003/11/EC (BFR):        | Yes        |
| EU Directive 2011/65/EU (ROHS II):    | Yes        |
| EU Directive 2012/19/EU (WEEE):       | Yes        |
| EU Directive 2015/863/EU:             | Yes        |
| EU Directive Compliance:              | Yes        |
| EU CE Mark:                           | Yes        |
| EU RoHS Compliance Date (yyyy-mm-dd): | 2006-11-08 |
| CA Prop 65 (CJ for Wire & Cable):     | Yes        |
| MII Order #39 (China RoHS):           | Yes        |

## Suitability

|                                    |          |
|------------------------------------|----------|
| Suitability - Burial:              | Yes - UL |
| Suitability - Indoor:              | Yes      |
| Suitability - Outdoor:             | Yes      |
| Suitability - Sunlight Resistance: | Yes      |

## Flammability, LS0H, Toxicity Testing

|                     |                                    |
|---------------------|------------------------------------|
| C(UL) Flammability: | FT4                                |
| UL Flammability:    | UL1685 FT4 loading                 |
| IEEE Flammability:  | IEEE 1202 Vertical Tray Flame Test |
| UL voltage rating:  | 300 V RMS                          |

## Plenum/Non-Plenum

|               |    |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

## Part Number

### Variants

| Item #         | Color | Footnote |
|----------------|-------|----------|
| 5240F1 0021000 | Black | C        |
| 5240F1 0101000 | Black | C        |

|           |                        |
|-----------|------------------------|
| Footnote: | C - CRATE REEL PUT-UP. |
|-----------|------------------------|

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