

**Part Number: 5302F1**

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



### Product Description

Security & Sound Cable, Rated-CMG-FPL-PLTC-ER, 4-18 AWG stranded tinned copper conductors with PVC insulation, waterblocking tape, Beldfoil® shield and PVC jacket

### Technical Specifications

#### Product Overview

|                        |   |
|------------------------|---|
| Suitable Applications: | Low Voltage, Water-Blocked for Use in Underground Ducts, PLTC-ER, FPL, Intercom, Sound, Audio |
|------------------------|---|

#### Physical Characteristics (Overall)

##### Conductor

| AWG | Stranding | Material           | No. of Conductors |
|-----|-----------|--------------------|-------------------|
| 18  | 7x26      | TC - Tinned Copper | 4                 |

|                  |        |
|------------------|--------|
| Conductor Count: | 4      |
| Conductor Size:  | 18 AWG |

##### Insulation

| Material                 | Nominal Wall Thickness |
|--------------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.010 in               |

##### Color Chart

| Number | Color |
|--------|-------|
| 1      | Black |
| 2      | White |
| 3      | Red   |
| 4      | Green |

##### Outer Shield Material

| Material                     | Coverage [%] | Drainwire Material | Drainwire AWG | Drainwire Construction n x D |
|------------------------------|--------------|--------------------|---------------|------------------------------|
| Aluminum Foil-Polyester Tape | 100 %        | TC - Tinned Copper | 20            | (7x28)                       |

##### Outer Jacket Material

| Material                 | Nominal Diameter | Separator Material |
|--------------------------|------------------|--------------------|
| PVC - Polyvinyl Chloride | 0.259 in         | Waterblocking Tape |

#### Electrical Characteristics

##### Conductor DCR

| Nominal Conductor DCR | Nominal Conductor DCR | Conductor Resistance | Nominal Outer Shield DCR |
|-----------------------|-----------------------|----------------------|--------------------------|
| 6.6 Ohm/1000ft        | 6.6 Ohm/1000ft        |                      | 15.25 Ohm/1000ft         |

##### Capacitance

| Nom. Capacitance Conductor to Conductor |
|---|
| 40 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:               | 42 lbs/1000ft |
| Max Recommended Pulling Tension: | 102 lbs       |
| Min Bend Radius/Minor Axis:      | 2.75 in       |

## Standards

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

## Applicable Environmental and Other Programs

|                                       |            |
|---------------------------------------|------------|
| EU Directive 2000/53/EC (ELV):        | 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): | 2006-11-06 |
| CA Prop 65 (CJ for Wire & Cable):     | Yes        |
| MII Order #39 (China RoHS):           | Yes        |

## Suitability

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

## Flammability, LS0H, Toxicity Testing

|                   |   |
|-------------------|---|
| UL Flammability:  | UL1685 FT4/IEEE 1202 Vertical Tray Flame Test |
| CSA Flammability: | FT4   |

## Plenum/Non-Plenum

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

## Part Number

### Variants

| Item #         | Color | Footnote |
|----------------|-------|----------|
| 5302F1 0101000 | Black | C        |
| 5302F1 0021000 | Red   | C        |

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

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