

## 5302F1 Multi-Conductor - Water-Blocked for Use in Underground Ducts



For more Information  
please call

1-800-Belden1



### General Description:

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

### Usage (Overall)

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

### Physical Characteristics (Overall)

#### Conductor

AWG:

| # Conductors | AWG | Stranding | Conductor Material |
|--------------|-----|-----------|--------------------|
| 4            | 18  | 7x26      | TC - Tinned Copper |

Total Number of Conductors: 4

#### Insulation

Insulation Material:

| Insulation Material      |
|--------------------------|
| PVC - Polyvinyl Chloride |

#### Outer Shield

Outer Shield Material:

| Outer Shield Material        | Coverage (%) |
|------------------------------|--------------|
| Aluminum Foil-Polyester Tape | 100          |

Outer Shield Drain Wire AWG:

| AWG | Stranding | Drain Wire Conductor Material |
|-----|-----------|-------------------------------|
| 24  | solid     | TC - Tinned Copper            |

#### Outer Jacket

Outer Jacket Material:

| Outer Jacket Material    |
|--------------------------|
| PVC - Polyvinyl Chloride |

#### Overall Cable

Overall Cabling Color Code Chart:

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

Overall Cabling Separator Material: Waterblocking Tape

Overall Nominal Diameter: 0.259 in.

### Mechanical Characteristics (Overall)

Operating Temperature Range: -30°C To +105°C

UL Temperature Rating: 105°C

Bulk Cable Weight: 42 lbs/1000 ft.

Max. Recommended Pulling Tension: 102 lbs.

Min. Bend Radius/Minor Axis: 2.750 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMG, FPL, PLTC, PLTC-ER

CEC/C(UL) Specification: CMG

EU Directive 2011/65/EU (ROHS II): Yes

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|                                       |            |
|---------------------------------------|------------|
| EU CE Mark:                           | Yes        |
| EU Directive 2000/53/EC (ELV):        | Yes        |
| EU Directive 2002/95/EC (RoHS):       | Yes        |
| EU RoHS Compliance Date (mm/dd/yyyy): | 11/06/2006 |
| EU Directive 2002/96/EC (WEEE):       | Yes        |
| EU Directive 2003/11/EC (BFR):        | Yes        |
| CA Prop 65 (CJ for Wire & Cable):     | Yes        |
| MII Order #39 (China RoHS):           | Yes        |

### Flame Test

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

### Suitability

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

### Plenum/Non-Plenum

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

### Electrical Characteristics (Overall)

#### Nom. Capacitance Conductor to Conductor:

|                     |
|---------------------|
| Capacitance (pF/ft) |
| 40                  |

#### Nom. Conductor DC Resistance:

|                          |
|--------------------------|
| DCR @ 20°C (Ohm/1000 ft) |
| 6.6                      |

#### Nominal Outer Shield DC Resistance:

|                          |
|--------------------------|
| DCR @ 20°C (Ohm/1000 ft) |
| 15.250                   |

#### Max. Operating Voltage - UL:

|           |
|-----------|
| Voltage   |
| 300 V RMS |

### Put Ups and Colors:

| Item #         | Putup    | Ship Weight | Color | Notes | Item Desc        |
|----------------|----------|-------------|-------|-------|------------------|
| 5302F1 0021000 | 1,000 FT | 49.000 LB   | RED   | C     | 4 #18 PVC FS PVC |
| 5302F1 0101000 | 1,000 FT | 49.000 LB   | BLACK | C     | 4 #18 PVC FS PVC |

#### Notes:

C = CRATE REEL PUT-UP.

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