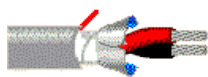


## 5500F1 Multi-Conductor - Water-Blocked for Use in Underground Ducts - 2 Cond Cabled



For more Information  
please call

1-800-Belden1



### General Description:

Security & Alarm Cable, Rated-CM, 2-22 AWG stranded tinned copper conductors with PVC insulation, waterblocking tape, Beldfoil® shield and PVC jacket with ripcord

### Physical Characteristics (Overall)

#### Conductor

AWG:

| # Conductors | AWG | Stranding | Conductor Material |
|--------------|-----|-----------|--------------------|
| 2            | 22  | 7x30      | TC - Tinned Copper |

Total Number of Conductors: 2

#### Insulation

Insulation Material:

| Insulation Material      | Wall Thickness (in.) |
|--------------------------|----------------------|
| PVC - Polyvinyl Chloride | .010                 |

Insulation Color Code Chart:

| Number | Color |
|--------|-------|
| 1      | Black |
| 2      | Red   |

#### Outer Shield

Outer Shield Material:

| Outer Shield Trade Name | Outer Shield Material        | Coverage (%) |
|-------------------------|------------------------------|--------------|
| Beldfoil®               | Aluminum Foil-Polyester Tape | 100          |

Outer Shield Drain Wire AWG:

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

Outer Shield Waterblocking Tape: Non-woven waterblocking tape

#### Outer Jacket

Outer Jacket Material:

| Outer Jacket Material    | Nom. Wall Thickness (in.) |
|--------------------------|---------------------------|
| PVC - Polyvinyl Chloride | .025                      |

Outer Jacket Ripcord: Yes

#### Overall Cable

Overall Cabling Lay Length & Direction:

| Length (in.) |
|--------------|
| 1.5          |

Overall Nominal Diameter: 0.196 in.

### Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +105°C

Bulk Cable Weight: 15.700 lbs/1000 ft.

Max. Recommended Pulling Tension: 23.700 lbs.

Min. Bend Radius/Minor Axis: 2 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CM

CEC/C(UL) Specification: CM

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

EU CE Mark: Yes

EU Directive 2000/53/EC (ELV): Yes

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|                                       |            |
|---------------------------------------|------------|
| EU Directive 2002/95/EC (RoHS):       | Yes        |
| EU RoHS Compliance Date (mm/dd/yyyy): | 10/01/2005 |
| 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 UL Loading |
| CSA Flame Test: | FT1               |

### Plenum/Non-Plenum

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

### Electrical Characteristics (Overall)

#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)  
46

#### Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)  
82.8

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)  
16.1

#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)  
16.8

#### Max. Operating Voltage - UL:

Voltage  
300 V RMS

#### Max. Recommended Current:

Current  
2.8 Amps per conductor @ 25°C

### Put Ups and Colors:

| Item #         | Putup    | Ship Weight | Color | Notes | Item Desc        |
|----------------|----------|-------------|-------|-------|------------------|
| 5500F1 0081000 | 1,000 FT | 17.000 LB   | GRAY  | C     | 2 #22 PVC FS PVC |
| 5500F1 0101000 | 1,000 FT | 17.000 LB   | BLACK |       | 2 #22 PVC FS PVC |

#### Notes:

C = CRATE REEL PUT-UP.

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