

## 5500UG Multi-Conductor - Residential, Light Commercial and Institutional Applications



For more Information  
please call

1-800-Belden1



### General Description:

Security & Alarm Cable, Rated-CM, 2-22 AWG stranded bare copper conductors with polyolefin insulation, PVC jacket

### Physical Characteristics (Overall)

#### Conductor

AWG:

| # Conductors | AWG | Stranding | Conductor Material |
|--------------|-----|-----------|--------------------|
| 2            | 22  | 7x30      | BC - Bare Copper   |

Total Number of Conductors: 2

#### Insulation

Insulation Material:

| Insulation Material | Wall Thickness (in.) |
|---------------------|----------------------|
| PP - Polypropylene  | .006                 |

#### Outer Shield

Outer Shield Material:

| Outer Shield Material |
|-----------------------|
| Unshielded            |

#### Outer Jacket

Outer Jacket Material:

| Outer Jacket Material    | Nom. Wall Thickness (in.) |
|--------------------------|---------------------------|
| PVC - Polyvinyl Chloride | .015                      |

#### Overall Cable

Overall Cabling Color Code Chart:

| Color |
|-------|
| Black |
| Red   |

Overall Nominal Diameter: 0.114 in.

### Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +75°C

UL Temperature Rating: 75°C

Bulk Cable Weight: 7.300 lbs/1000 ft.

Max. Recommended Pulling Tension: 18.200 lbs.

Min. Bend Radius/Minor Axis: 1.200 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CM

NEC Articles: 800

CEC/C(UL) Specification: CM

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

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): 01/01/2004

EU Directive 2002/96/EC (WEEE): Yes

EU Directive 2003/11/EC (BFR): Yes

ENGLISH MEASUREMENT VERSION

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CA Prop 65 (CJ for Wire & Cable): Yes

Mil 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. Inductance:

Inductance (µH/ft)  
.155

#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)  
20

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)  
16.1

#### 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      |
|-----------------|----------|-------------|-------------|-------|----------------|
| 5500UG U4FC1000 | 1,000 FT | 7.000 LB    | BEIGE U4F   |       | 2 #22 PP FRPVC |
| 5500UG U4FU500  | 500 FT   | 4.500 LB    | BEIGE U4F   |       | 2 #22 PP FRPVC |
| 5500UG 001C1000 | 1,000 FT | 7.000 LB    | BROWN       |       | 2 #22 PP FRPVC |
| 5500UG 001C500  | 500 FT   | 3.500 LB    | BROWN       |       | 2 #22 PP FRPVC |
| 5500UG 003C500  | 500 FT   | 3.500 LB    | ORANGE      |       | 2 #22 PP FRPVC |
| 5500UG 003U500  | 500 FT   | 4.500 LB    | ORANGE      |       | 2 #22 PP FRPVC |
| 5500UG 004C1000 | 1,000 FT | 7.000 LB    | YELLOW      |       | 2 #22 PP FRPVC |
| 5500UG 004C500  | 500 FT   | 3.500 LB    | YELLOW      |       | 2 #22 PP FRPVC |
| 5500UG 004U500  | 500 FT   | 4.500 LB    | YELLOW      |       | 2 #22 PP FRPVC |
| 5500UG 005C1000 | 1,000 FT | 7.000 LB    | GREEN, DARK |       | 2 #22 PP FRPVC |
| 5500UG 005C500  | 500 FT   | 3.500 LB    | GREEN, DARK |       | 2 #22 PP FRPVC |
| 5500UG 005U500  | 500 FT   | 4.500 LB    | GREEN, DARK |       | 2 #22 PP FRPVC |
| 5500UG 006U500  | 500 FT   | 4.500 LB    | BLUE, LIGHT |       | 2 #22 PP FRPVC |
| 5500UG 007C1000 | 1,000 FT | 7.000 LB    | VIOLET      |       | 2 #22 PP FRPVC |
| 5500UG 007C500  | 500 FT   | 3.500 LB    | VIOLET      |       | 2 #22 PP FRPVC |
| 5500UG 007U500  | 500 FT   | 4.500 LB    | VIOLET      |       | 2 #22 PP FRPVC |
| 5500UG 008C1000 | 1,000 FT | 7.000 LB    | GRAY        |       | 2 #22 PP FRPVC |
| 5500UG 008C500  | 500 FT   | 3.500 LB    | GRAY        |       | 2 #22 PP FRPVC |
| 5500UG 008U1000 | 1,000 FT | 8.000 LB    | GRAY        |       | 2 #22 PP FRPVC |
| 5500UG 009C1000 | 1,000 FT | 7.000 LB    | WHITE       |       | 2 #22 PP FRPVC |
| 5500UG 009C500  | 500 FT   | 3.500 LB    | WHITE       |       | 2 #22 PP FRPVC |
| 5500UG 009U1000 | 1,000 FT | 8.000 LB    | WHITE       |       | 2 #22 PP FRPVC |

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