

## 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

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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)  
0.155

#### 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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