

## 5502UG Multi-Conductor - Residential, Light Commercial and Institutional Applications



For more Information  
please call

1-800-Belden1



### General Description:

Security & Alarm Cable, Rated-CM, 4-22 AWG stranded bare copper conductors with polyolefin insulation, PVC jacket

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
4	22	7x30	BC - Bare Copper

Total Number of Conductors: 4

#### Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)
PP - Polypropylene	0.178

#### Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.381

#### Overall Cable

Overall Cabling Color Code Chart:

Color
Black
Red
White
Green

Overall Nominal Diameter: 3.327 mm

### Mechanical Characteristics (Overall)

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

UL Temperature Rating: 75°C

Bulk Cable Weight: 17.858 Kg/Km

Max. Recommended Pulling Tension: 161.914 N

Min. Bend Radius/Minor Axis: 33.020 mm

### 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

## METRIC MEASUREMENT VERSION

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EU Directive 2003/11/EC (BFR):	Yes
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
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#### Electrical Characteristics (Overall)

##### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

65.62

##### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

53.1522

##### Max. Operating Voltage - UL:

Voltage

300 V RMS

##### Max. Recommended Current:

Current

2.2 Amps per conductor @ 25°C

#### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5502UG U4FC500	500 FT	6.000 LB	BEIGE U4F		4 #22 PP FRPVC
5502UG U4FU1000	1,000 FT	14.000 LB	BEIGE U4F		4 #22 PP FRPVC
5502UG 001C500	500 FT	6.000 LB	BROWN		4 #22 PP FRPVC
5502UG 001U1000	1,000 FT	14.000 LB	BROWN		4 #22 PP FRPVC
5502UG 003C1000	1,000 FT	12.000 LB	ORANGE		4 #22 PP FRPVC
5502UG 003C500	500 FT	6.000 LB	ORANGE		4 #22 PP FRPVC
5502UG 004C1000	1,000 FT	12.000 LB	YELLOW		4 #22 PP FRPVC
5502UG 004C500	500 FT	6.000 LB	YELLOW		4 #22 PP FRPVC
5502UG 004U1000	1,000 FT	14.000 LB	YELLOW		4 #22 PP FRPVC
5502UG 005C500	500 FT	6.000 LB	GREEN, DARK		4 #22 PP FRPVC
5502UG 006C1000	1,000 FT	12.000 LB	BLUE, LIGHT		4 #22 PP FRPVC
5502UG 006C500	500 FT	6.000 LB	BLUE, LIGHT		4 #22 PP FRPVC
5502UG 006U1000	1,000 FT	14.000 LB	BLUE, LIGHT		4 #22 PP FRPVC
5502UG 007C1000	1,000 FT	12.000 LB	VIOLET		4 #22 PP FRPVC
5502UG 007C500	500 FT	6.000 LB	VIOLET		4 #22 PP FRPVC
5502UG 007U1000	1,000 FT	14.000 LB	VIOLET		4 #22 PP FRPVC
5502UG 008C1000	1,000 FT	12.000 LB	GRAY		4 #22 PP FRPVC
5502UG 008C500	500 FT	6.000 LB	GRAY		4 #22 PP FRPVC
5502UG 008U1000	1,000 FT	14.000 LB	GRAY		4 #22 PP FRPVC
5502UG 008U500	500 FT	7.500 LB	GRAY		4 #22 PP FRPVC
5502UG 009C1000	1,000 FT	12.000 LB	WHITE		4 #22 PP FRPVC
5502UG 009C500	500 FT	6.000 LB	WHITE		4 #22 PP FRPVC
5502UG 009U1000	1,000 FT	14.000 LB	WHITE		4 #22 PP FRPVC

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Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 2014/35/EU).