

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 (mm)
PP - Polypropylene	0.1524

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

Overall Nominal Diameter: 2.896 mm

Mechanical Characteristics (Overall)

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

UL Temperature Rating: 75°C

Bulk Cable Weight: 10.864 Kg/Km

Max. Recommended Pulling Tension: 80.957 N

Min. Bend Radius/Minor Axis: 30.480 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

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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):	01/01/2004
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
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Electrical Characteristics (Overall)

Nom. Inductance:

Inductance (µH/m)
0.508555

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
65.62

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
52.8241

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	152 MT	1.588 KG	BEIGE U4F		2 #22 PP FRPVC
5500UG U4FU500	152 MT	2.041 KG	BEIGE U4F		2 #22 PP FRPVC
5500UG 001C1000	305 MT	3.175 KG	BROWN		2 #22 PP FRPVC
5500UG 001C500	152 MT	1.588 KG	BROWN		2 #22 PP FRPVC
5500UG 001U500	152 MT	2.041 KG	BROWN		2 #22 PP FRPVC
5500UG 003C500	152 MT	1.588 KG	ORANGE		2 #22 PP FRPVC
5500UG 003U500	152 MT	2.041 KG	ORANGE		2 #22 PP FRPVC
5500UG 004C1000	305 MT	3.175 KG	YELLOW		2 #22 PP FRPVC
5500UG 004C500	152 MT	1.588 KG	YELLOW		2 #22 PP FRPVC
5500UG 004U500	152 MT	2.041 KG	YELLOW		2 #22 PP FRPVC
5500UG 005C1000	305 MT	3.175 KG	GREEN, DARK		2 #22 PP FRPVC
5500UG 005C500	152 MT	1.588 KG	GREEN, DARK		2 #22 PP FRPVC
5500UG 005U500	152 MT	2.041 KG	GREEN, DARK		2 #22 PP FRPVC
5500UG 006C500	152 MT	1.588 KG	BLUE, LIGHT		2 #22 PP FRPVC
5500UG 006U500	152 MT	2.041 KG	BLUE, LIGHT		2 #22 PP FRPVC
5500UG 007C1000	305 MT	3.175 KG	VIOLET		2 #22 PP FRPVC
5500UG 007C500	152 MT	1.588 KG	VIOLET		2 #22 PP FRPVC
5500UG 007U500	152 MT	2.041 KG	VIOLET		2 #22 PP FRPVC
5500UG 008C1000	305 MT	3.175 KG	GRAY		2 #22 PP FRPVC

METRIC MEASUREMENT VERSION

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5500UG 008C500	152 MT	1.588 KG	GRAY	2 #22 PP FRPVC
5500UG 008U1000	305 MT	3.629 KG	GRAY	2 #22 PP FRPVC
5500UG 009C1000	305 MT	3.175 KG	WHITE	2 #22 PP FRPVC
5500UG 009C500	152 MT	1.588 KG	WHITE	2 #22 PP FRPVC
5500UG 009U1000	305 MT	3.629 KG	WHITE	2 #22 PP FRPVC

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