

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

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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
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. 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	152 MT	2.722 KG	BEIGE U4F		4 #22 PP FRPVC
5502UG U4FU1000	305 MT	6.350 KG	BEIGE U4F		4 #22 PP FRPVC
5502UG 001C500	152 MT	2.722 KG	BROWN		4 #22 PP FRPVC
5502UG 001U1000	305 MT	6.350 KG	BROWN		4 #22 PP FRPVC
5502UG 003C1000	305 MT	5.443 KG	ORANGE		4 #22 PP FRPVC
5502UG 003C500	152 MT	2.722 KG	ORANGE		4 #22 PP FRPVC
5502UG 004C1000	305 MT	5.443 KG	YELLOW		4 #22 PP FRPVC
5502UG 004C500	152 MT	2.722 KG	YELLOW		4 #22 PP FRPVC
5502UG 004U1000	305 MT	6.350 KG	YELLOW		4 #22 PP FRPVC
5502UG 005C500	152 MT	2.722 KG	GREEN, DARK		4 #22 PP FRPVC
5502UG 006C1000	305 MT	5.443 KG	BLUE, LIGHT		4 #22 PP FRPVC
5502UG 006C500	152 MT	2.722 KG	BLUE, LIGHT		4 #22 PP FRPVC
5502UG 006U1000	305 MT	6.350 KG	BLUE, LIGHT		4 #22 PP FRPVC
5502UG 007C1000	305 MT	5.443 KG	VIOLET		4 #22 PP FRPVC
5502UG 007C500	152 MT	2.722 KG	VIOLET		4 #22 PP FRPVC
5502UG 007U1000	305 MT	6.350 KG	VIOLET		4 #22 PP FRPVC
5502UG 008C1000	305 MT	5.443 KG	GRAY		4 #22 PP FRPVC
5502UG 008C500	152 MT	2.722 KG	GRAY		4 #22 PP FRPVC
5502UG 008U1000	305 MT	6.350 KG	GRAY		4 #22 PP FRPVC
5502UG 008U500	152 MT	3.402 KG	GRAY		4 #22 PP FRPVC

METRIC MEASUREMENT VERSION

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5502UG 009C1000	305 MT	5.443 KG	WHITE	4 #22 PP FRPVC
5502UG 009C500	152 MT	2.722 KG	WHITE	4 #22 PP FRPVC
5502UG 009U1000	305 MT	6.350 KG	WHITE	4 #22 PP FRPVC

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