

## 6502GE Multi-Conductor - Commercial Applications

 For more Information  
 please call

1-800-Belden1

**General Description:**

Security & Alarm Cable, Plenum-CMP, 1-22 AWG stranded bare copper pair with Flamarrest® insulation and Beldfoil® shield, 2-22 AWG stranded bare copper conductors with insulation, Overall Flamarrest® jacket with ripcord

**Physical Characteristics (Overall)****Conductor****AWG:**

# Conductors	# Pairs	AWG	Stranding	Conductor Material
2	1	22	7	BC - Bare Copper

**Total Number of Conductors:** 4
**Insulation****Insulation Material:**

Insulation Trade Name	Insulation Material	Wall Thickness (mm)
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	0.229

**Inner Shield****Inner Shield Material:**

Inner Shield Trade Name	Type	Inner Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100.000

**Inner Shield Drain Wire AWG:**

AWG
24

**Inner Shield Drain Wire Stranding:** 7

**Inner Shield Drain Wire Conductor Material:** TC - Tinned Copper
**Outer Shield****Outer Shield Material:**

Outer Shield Material
Unshielded

**Outer Jacket****Outer Jacket Material:**

Outer Jacket Trade Name	Outer Jacket Material	Nom. Wall Thickness (mm)
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	0.381

**Outer Jacket Ripcord:** Yes
**Overall Cable****Overall Cabling Color Code Chart:**

Color
Black and Red (shielded pair)
White
Green

**Overall Nominal Diameter:** 4.572 mm
**Pair****Pair Lay Length & Direction:**

Lay Length (mm)	Twists (twist/m)
38.1	26.248

**Mechanical Characteristics (Overall)**

Bulk Cable Weight:	28.722 Kg/Km
Max. Recommended Pulling Tension:	186.824 N
Min. Bend Radius/Minor Axis:	45.720 mm

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

NEC/(UL) Specification:	CMP
CEC/C(UL) Specification:	CMP
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):	04/01/2005
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:	NFPA 262
C(UL) Flame Test:	FT6

**Plenum/Non-Plenum**

Plenum (Y/N):	Yes
Non-Plenum Number:	5502GE

**Electrical Characteristics (Overall)****Nom. Inductance:**

Inductance (µH/m)
0.55777

**Nom. Capacitance Conductor to Conductor:**

Capacitance (pF/m)
180.455

**Nom. Capacitance Cond. to Other Conductor & Shield:**

Capacitance (pF/m)
324.819

**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/km)
53.8084

**Max. Operating Voltage - UL:**

Voltage
300 V RMS

**Max. Recommended Current:**

Current
2.2 Amps per conductor @ 25°C

**Put Ups and Colors:**

## 6502GE Multi-Conductor - Commercial Applications

Item #	Putup	Ship Weight	Color	Notes	Item Desc
6502GE 003Z1000	1,000 FT	23.000 LB	ORANGE		1 FSPR + 2 CDR #22 FLRST FLRST
6502GE 004Z1000	1,000 FT	23.000 LB	YELLOW		1 FSPR + 2 CDR #22 FLRST FLRST
6502GE 005Z1000	1,000 FT	23.000 LB	GREEN, DARK		1 FSPR + 2 CDR #22 FLRST FLRST
6502GE 006Z1000	1,000 FT	23.000 LB	BLUE, LIGHT		1 FSPR + 2 CDR #22 FLRST FLRST
6502GE 008U1000	1,000 FT	21.000 LB	GRAY		1 FSPR + 2 CDR #22 FLRST FLRST
6502GE 008Z1000	1,000 FT	23.000 LB	GRAY		1 FSPR + 2 CDR #22 FLRST FLRST
6502GE 009C100	100 FT	1.900 LB	WHITE		1 FSPR + 2 CDR #22 FLRST FLRST
6502GE 009U1000	1,000 FT	21.000 LB	WHITE		1 FSPR + 2 CDR #22 FLRST FLRST
6502GE 009U250	250 FT	6.000 LB	WHITE		1 FSPR + 2 CDR #22 FLRST FLRST
6502GE 009Z1000	1,000 FT	23.000 LB	WHITE		1 FSPR + 2 CDR #22 FLRST FLRST
6502GE 010C100	100 FT	1.700 LB	BLACK		1 FSPR + 2 CDR #22 FLRST FLRST
6502GE 010U1000	1,000 FT	21.000 LB	BLACK		1 FSPR + 2 CDR #22 FLRST FLRST
6502GE 010U250	250 FT	6.000 LB	BLACK		1 FSPR + 2 CDR #22 FLRST FLRST
6502GE 877U1000	1,000 FT	21.000 LB	NATURAL		1FSPR+2CDR#22 FLRSTFLRST
6502GE 877Z1000	1,000 FT	23.000 LB	NATURAL		1 FSPR + 2 CDR #22 FLRST FLRST
6502GE 8771000	1,000 FT	21.000 LB	NATURAL	C	1FSPR+2CDR#22 FLRSTFLRST

**Notes:**

C = CRATE REEL PUT-UP.

Revision Number: 1    Revision Date: 02-27-2015

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