



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 (in.)
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	0.009

#### 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 (in.)
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	.015

Outer Jacket Ripcord: Yes

#### Overall Cable

Overall Cabling Color Code Chart:

Color
Black and Red (shielded pair)
White
Green

Overall Nominal Diameter: 0.180 in.

#### Pair

Pair Lay Length & Direction:

Lay Length (in.)	Twists (twist/ft)
1.500	8.000

### Mechanical Characteristics (Overall)

Bulk Cable Weight: 19.300 lbs/1000 ft.

Max. Recommended Pulling Tension: 42 lbs.

Min. Bend Radius/Minor Axis: 1.800 in.

## 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/ft)

.17

### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

55

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

Capacitance (pF/ft)

99

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

16.4

### 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
6502GE 008U1000	1,000 FT	21.000 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 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 8771000	1,000 FT	21.000 LB	NATURAL	C	1FSPR+2CDR#22 FLRSTFLRST

### Notes:

C = CRATE REEL PUT-UP.

## 6502GE Multi-Conductor - Commercial Applications

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