



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.

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