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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)

### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

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

Capacitance (pF/ft)

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

### Max. Operating Voltage - UL:

Voltage

### Max. Recommended Current:

Current

## 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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