

## 6502UE Multi-Conductor - Commercial Applications



For more Information  
please call

1-800-Belden1

**General Description:**

Security & Alarm Cable, Plenum-CMP 4-22 AWG stranded bare copper conductors with Flamarrest® insulation, Flamarrest® jacket with ripcord

**Physical Characteristics (Overall)****Conductor**

AWG:

| # Conductors | AWG | Stranding | Conductor Material |
|--------------|-----|-----------|--------------------|
| 4            | 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 | 0.008                |

**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 Lay Length & Direction:

| Length (in.) | Twists (twist/ft) |
|--------------|-------------------|
| 3            | 4                 |

Overall Cabling Color Code Chart:

| Color |
|-------|
| Black |
| Red   |
| White |
| Green |

Overall Nominal Diameter: 0.139 in.

**Mechanical Characteristics (Overall)**

|                                   |                 |
|-----------------------------------|-----------------|
| Operating Temperature Range:      | 0°C To +75°C    |
| Bulk Cable Weight:                | 15 lbs/1000 ft. |
| Max. Recommended Pulling Tension: | 36.400 lbs.     |
| Min. Bend Radius/Minor Axis:      | 1.400 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 |

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|                                   |     |
|-----------------------------------|-----|
| EU Directive 2002/96/EC (WEEE):   | Yes |
| EU Directive 2003/11/EC (BFR):    | Yes |
| CA Prop 65 (CJ for Wire & Cable): | Yes |
| MIL 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: | 5502UE |

## Electrical Characteristics (Overall)

## Nom. Capacitance Conductor to Conductor:

|                     |
|---------------------|
| Capacitance (pF/ft) |
| 27.000              |

## Nom. Conductor DC Resistance:

|                          |
|--------------------------|
| DCR @ 20°C (Ohm/1000 ft) |
| 16.1                     |

## 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         |
|-----------------|----------|-------------|---------|-------|-------------------|
| 6502UE 877C500  | 500 FT   | 7.500 LB    | NATURAL |       | 4 #22 FLRST FLRST |
| 6502UE 877U1000 | 1,000 FT | 16.000 LB   | NATURAL |       | 4 #22 FLRST FLRST |
| 6502UE 877U500  | 500 FT   | 8.500 LB    | NATURAL |       | 4 #22 FLRST FLRST |
| 6502UE 8771000  | 1,000 FT | 16.000 LB   | NATURAL | C     | 4 #22 FLRST FLRST |
| 6502UE 877500   | 500 FT   | 8.000 LB    | NATURAL |       | 4 #22 FLRST FLRST |

## Notes:

C = CRATE REEL PUT-UP.

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