

## 6302UE Multi-Conductor - Commercial Applications



For more Information  
please call

1-800-Belden1

**General Description:**

Security & Alarm Cable, Plenum-CMP 4-18 AWG stranded bare copper conductors with Flamarrest® insulation, Flamarrest® jacket with ripcord

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

AWG:

| # Conductors | AWG | Stranding | Conductor Material |
|--------------|-----|-----------|--------------------|
| 4            | 18  | 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.) | Direction | Twists (twist/ft) |
|--------------|-----------|-------------------|
| 3.500        | Left Hand | 3.400             |

Overall Cabling Color Code Chart:

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

Overall Nominal Diameter: 0.180 in.

**Mechanical Characteristics (Overall)**

|                                   |                 |
|-----------------------------------|-----------------|
| Installation Temperature Range:   | 0°C To +75°C    |
| Operating Temperature Range:      | -10°C To +75°C  |
| Bulk Cable Weight:                | 33 lbs/1000 ft. |
| Max. Recommended Pulling Tension: | 89.600 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 |

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|                                       |            |
|---------------------------------------|------------|
| 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 |
| CSA Flame Test: | FT6      |

**Suitability**

|                       |     |
|-----------------------|-----|
| Suitability - Indoor: | Yes |
|-----------------------|-----|

**Plenum/Non-Plenum**

|                    |        |
|--------------------|--------|
| Plenum (Y/N):      | Yes    |
| Non-Plenum Number: | 5302UE |

**Electrical Characteristics (Overall)****Nom. Capacitance Conductor to Conductor:**

Capacitance (pF/ft)  
34.000

**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)  
6.5

**Max. Operating Voltage - UL:**

Voltage  
300 V RMS

**Max. Recommended Current:**

| Description          | Current                             |
|----------------------|-------------------------------------|
| 10C Temperature Rise | 4 Amps per conductor @ 25°C ambient |

**Put Ups and Colors:**

| Item #          | Putup    | Ship Weight | Color   | Notes | Item Desc         |
|-----------------|----------|-------------|---------|-------|-------------------|
| 6302UE 877U1000 | 1,000 FT | 32.000 LB   | NATURAL |       | 4 #18 FLRST FLRST |
| 6302UE 877U500  | 500 FT   | 16.500 LB   | NATURAL |       | 4 #18 FLRST FLRST |
| 6302UE 8771000  | 1,000 FT | 32.000 LB   | NATURAL | C     | 4 #18 FLRST FLRST |
| 6302UE 877500   | 500 FT   | 16.500 LB   | NATURAL |       | 4 #18 FLRST FLRST |

**Notes:**

C = CRATE REEL PUT-UP.

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