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please call

1-800-Belden1



### General Description:

Security & Alarm Cable, Plenum-CMP 6-18 AWG stranded bare copper conductors with Flamarrest® insulation, Flamarrest® jacket with ripcord

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

| # Conductors | AWG | Stranding | Conductor Material |
|--------------|-----|-----------|--------------------|
| 6            | 18  | 7         | BC - Bare Copper   |

Total Number of Conductors: 6

#### Insulation

##### Insulation Material:

| Insulation Trade Name | Insulation Material                   | Wall Thickness (mm) |
|-----------------------|---------------------------------------|---------------------|
| Flamarrest®           | LS PVC - Low Smoke Polyvinyl Chloride | 0.203               |

#### Outer Shield

##### Outer Shield Material:

| Outer Shield Material |
|-----------------------|
| Unshielded            |

#### Outer Jacket

##### Outer Jacket Material:

| Outer Jacket Trade Name | Nom. Wall Thickness (mm) |
|-------------------------|--------------------------|
| Flamarrest®             | 0.381                    |

Outer Jacket Ripcord: Yes

#### Overall Cable

##### Overall Cabling Lay Length & Direction:

| Length (mm) |
|-------------|
| 95.249625   |

##### Overall Cabling Color Code Chart:

| Color |
|-------|
| Black |
| Red   |
| White |
| Green |
| Brown |
| Blue  |

Overall Nominal Diameter: 5.486 mm

### Mechanical Characteristics (Overall)

|                                   |              |
|-----------------------------------|--------------|
| Operating Temperature Range:      | 0°C To +75°C |
| Bulk Cable Weight:                | 64.439 Kg/Km |
| Max. Recommended Pulling Tension: | 597.838 N    |
| Min. Bend Radius/Minor Axis:      | 57.150 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 |
| CSA Flame Test: | FT6      |

#### Plenum/Non-Plenum

|                    |        |
|--------------------|--------|
| Plenum (Y/N):      | Yes    |
| Non-Plenum Number: | 5304UE |

### Electrical Characteristics (Overall)

#### Nom. Capacitance Conductor to Conductor:

##### Capacitance (pF/m)

111.554

#### Nom. Conductor DC Resistance:

##### DCR @ 20°C (Ohm/km)

21.3265

#### Max. Operating Voltage - UL:

##### Voltage

300 V RMS

#### Max. Recommended Current:

##### Current

3.5 Amps per conductor @ 25°C

### Put Ups and Colors:

| Item #          | Putup    | Ship Weight | Color   | Notes | Item Desc         |
|-----------------|----------|-------------|---------|-------|-------------------|
| 6304UE 877U500  | 500 FT   | 23.500 LB   | NATURAL |       | 6 #18 First first |
| 6304UE 877Z1000 | 1,000 FT | 48.000 LB   | NATURAL |       | 6 #18 FLRST FLRST |
| 6304UE 8771000  | 1,000 FT | 45.000 LB   | NATURAL | C     | 6 #18 FLRST FLRST |
| 6304UE 877500   | 500 FT   | 23.000 LB   | NATURAL |       | 6 #18 FLRST FLRST |

#### Notes:

C = CRATE REEL PUT-UP.

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## 6304UE Multi-Conductor - Commercial Applications

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