Belden



# Product: 6304UE

Security & Sound, #18-6c, BC, CMP

## Product Description

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

## Technical Specifications

### Product Overview

| | |
|---|---|
| Suitable Applications: | Security System, Intercom/PA, Audio/Speaker, Power-Limited Controls |

### Construction Details

**Conductor**

| Element | No. of Elements | Size | Stranding | Material |
|---|---|---|---|---|
| Conductor(s) | 6 | 18 AWG | 7x26 | BC - Bare Copper |

**Insulation**

| Element | Material | Nom. Thickness | Nom. Insulation Diameter | Color Code |
|---|---|---|---|---|
| Conductor(s) | PVC - Polyvinyl Chloride | 0.009 in (0.23 mm) | 0.063 in (1.6 mm) | Black, Red, White, Green, Brown, Blue |

**Outer Jacket**

| Material | Nom. Thickness | Nom. Diameter | Ripcord |
|---|---|---|---|
| PVC - Polyvinyl Chloride | 0.015 in (0.38 mm) | 0.216 in (5.49 mm) | Yes |

| | |
|---|---|
| Overall Cable Diameter (Nominal): | 0.216 in (5.49 mm) |

### Electrical Characteristics

**Electricals**

| Element | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Max. Current |
|---|---|---|---|
| Conductor(s) | 6.5 Ohm/1000ft | 34 pF/ft (110 pF/m) | 9.8 Amps per conductor @ 25°C |

**Voltage**

| UL Voltage Rating |
|---|
| 300 V |

### Mechanical Characteristics

**Temperature**

| UL Temperature | Operating |
|---|---|
| 75°C | 0°C to +75°C |

**Bend Radius**

| Stationary Min. | Installation Min. |
|---|---|
| 2.2 in (56 mm) | 2.2 in (56 mm) |

| | |
|---|---|
| Max. Pull Tension: | 134 lbs (60.8 kg) |
| Bulk Cable Weight: | 43 lbs/1000ft |

### Standards and Compliance

| | |
|---|---|
| Environmental Suitability: | Indoor - Plenum, Indoor |

| | |
|---|---|
| Flammability / Reaction to Fire: | NFPA 262, UL 910 (Plenum), FT6, IEC 60332-1-2 |
| CPR Compliance: | CPR Euroclass: Eca |
| NEC / UL Compliance: | Article 800, CMP |
| CEC / C(UL) Compliance: | CMP |
| European Directive Compliance: | EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE) |
| UK Regulation Compliance: | UKCA Mark |
| APAC Compliance: | China RoHS II (GB/T 26572-2011) |
| Non-Plenum Number: | 5304UE |

## History

| | |
|---|---|
| Update and Revision: | Revision Number: 0.440 Revision Date: 09-07-2025 |

## Part Numbers

**Variants**

| Item # | Color | UPC | Footnote |
|---|---|---|---|
| 6304UE 8771000 | Natural | 612825175520 | C |
| 6304UE 877U500 | Natural | 612825175513 | |
| 6304UE 877500 | Natural | 612825175537 | |

| | |
|---|---|
| Footnote: | C - CRATE REEL PUT-UP. |

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