# Product: 6504UE

Security & Sound, #22-6c BC, CMP

## Product Description

Security & Sound Cable, Plenum-CMP 6-22 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 | 22 AWG | 7x30 | BC - Bare Copper |

**Insulation**

| Element | Material | Nom. Thickness | Nom. Insulation Diameter | Color Code |
|---|---|---|---|---|
| Conductor(s) | PVC - Polyvinyl Chloride | 0.008 in (0.20 mm) | 0.045 in (1.1 mm) | Black, Red, White, Green, Brown, Blue |

**Outer Jacket**

| Material | Nom. Thickness | Nom. Diameter | Ripcord |
|---|---|---|---|
| PVC - Polyvinyl Chloride | 0.015 in (0.38 mm) | 0.165 in (4.19 mm) | Yes |

| | |
|---|---|
| Overall Cable Diameter (Nominal): | 0.165 in (4.19 mm) |

### Electrical Characteristics

**Electricals**

| Element | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Max. Current |
|---|---|---|---|
| Conductor(s) | 16 Ohm/1000ft | 27 pF/ft (89 pF/m) | 1.9 Amps per Conductor at 25ºC |

**Voltage**

| UL Voltage Rating |
|---|
| 300 V (CMP) |

### Mechanical Characteristics

**Temperature**

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

**Bend Radius**

| Stationary Min. | Installation Min. |
|---|---|
| 1.65 in (41.9 mm) | 1.65 in (41.9 mm) |

| | |
|---|---|
| Max. Pull Tension: | 54 lbs (24 kg) |
| Bulk Cable Weight: | 21 lbs/1000ft |

### Standards and Compliance

| | |
|---|---|
| Environmental Suitability: | Indoor - Plenum, Indoor |
| Flammability / Reaction to Fire: | NFPA 262, UL 910 (Plenum), FT6 |
| CPR Compliance: | CPR Euroclass: Eca |
| NEC / UL Compliance: | Article 800, CMP |
| CEC / C(UL) Compliance: | CMP |
| European Directive Compliance: | EU CE Mark, 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: | 5504UE |

## History

| | |
|---|---|
| Update and Revision: | Revision Number: 0.427 Revision Date: 02-03-2025 |

## Part Numbers

**Variants**

| Item # | Color | UPC |
|---|---|---|
| 6504UE 8771000 | Natural | 612825177913 |
| 6504UE 877500 | Natural | 612825177920 |
| 6504UE 877C500 | Natural | 612825177890 |
| 6504UE 877U1000 | Natural | 612825177906 |
| 6504UE 877U500 | Natural | 612825352402 |
| 6504UE 877U500 | Natural | 612825352402 |

© 2025 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.