




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 |
|------------------------|---|

Physical Characteristics (Overall)

Conductor

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

Insulation

| Element | Material | Material Trade Name | Nominal Wall Thickness |
|--------------|---|---------------------|------------------------|
| Conductor(s) | PVC-LS - Polyvinyl Chloride (Low Smoke) | Flamarrest® | 0.008 in |

Color Chart

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

Outer Shield Material

| Material |
|-----------|
| No Shield |

Outer Jacket Material

| Material | Material Trade Name | Nominal Diameter | Nominal Wall Thickness | Ripcord |
|---|---------------------|------------------|------------------------|---------|
| PVC-LS - Polyvinyl Chloride (Low Smoke) | Flamarrest® | 0.216 in | 0.015 in | Yes |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR |
|-----------------------|
| 6.5 Ohm/1000ft |

Capacitance

| Nom. Capacitance Conductor to Conductor |
|---|
| 34 pF/ft |

Current

Max. Recommended Current [A]

Per conductor @ 25°C: 3.5 A

Voltage**UL Voltage Rating**

300 V RMS

Temperature Range

Operating Temp Range: 0°C To +75°C

Mechanical Characteristics

Bulk Cable Weight: 43.3 lbs/1000ft

Max Recommended Pulling Tension: 134.4 lbs

Min Bend Radius/Minor Axis: 2.25 in

Standards

NEC Articles: 800

NEC/(UL) Specification: CMP

CEC/C(UL) Specification: CMP

CPR Euroclass: Eca

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2003/96/EC (BFR): Yes

EU Directive 2011/65/EU (ROHS II): Yes

EU Directive 2012/19/EU (WEEE): Yes

EU Directive 2015/863/EU: Yes

EU Directive Compliance: EU Directive 2003/11/EC (BFR)

EU CE Mark: Yes

EU RoHS Compliance Date (yyyy-mm-dd): 2005-04-01

MII Order #39 (China RoHS): Yes

Suitability

Suitability - Indoor: Yes

Flammability, LSOH, Toxicity Testing

UL Flammability: NFPA 262 Plenum Flame Test (UL910)

CSA Flammability: FT6

ISO/IEC Flammability: IEC 60332-1-2

UL voltage rating: 300 V RMS

Plenum/Non-Plenum

Plenum (Y/N): Y

Part Number

Non-Plenum Number: 5304UE

Variants

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

Footnote: C - CRATE REEL PUT-UP.

History

Update and Revision: Revision Number: 0.225 Revision Date: 05-11-2020

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