

Product: [5201UE](#)



Security & Sound, 3 Conductor 16 AWG, BC, Unshielded, CMR

Product Description

Security & Commercial Audio Cable, Riser-CMR, 3-16 AWG stranded bare copper conductors with polyolefin insulation, PVC jacket with ripcord

Technical Specifications

Product Overview

| | |
|------------------------|--|
| Suitable Applications: | Addressable Fire Systems, Data Circuits, Monitor/Detection, Control Circuits, Initiating Circuits, Notification Circuits |
|------------------------|--|

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material | No. of Conductors |
|-----|-----------|------------------|-------------------|
| 16 | 19x29 | BC - Bare Copper | 3 |

Conductor Count: 3

Insulation

| Material | Nominal Wall Thickness |
|--------------------|------------------------|
| PP - Polypropylene | 0.008 in |

Color Chart

| Number | Color |
|--------|-------|
| 1 | Black |
| 2 | Red |
| 3 | White |

Outer Shield Material

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

Outer Jacket Material

| Material | Nominal Diameter | Nominal Wall Thickness | Ripcord |
|--------------------------|------------------|------------------------|---------|
| PVC - Polyvinyl Chloride | 0.191 in | 0.017 in | Yes |

Construction and Dimensions

Cabling

| Twists |
|------------|
| 3 twist/ft |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR |
|-----------------------|
| 4.2 Ohm/1000ft |

Capacitance

| Nom. Capacitance Conductor to Conductor |
|---|
|---|

23.5 pF/ft

Current**Max. Recommended Current [A]**

6.25 Amps per conductor @ 25°C

Voltage**UL Voltage Rating**

300 V RMS

Temperature Range

UL Temp Rating: 75°C

Operating Temp Range: -20°C To +75°C

Mechanical Characteristics

Bulk Cable Weight: 34.4 lbs/1000ft

Max Recommended Pulling Tension: 88 lbs

Min Bend Radius/Minor Axis: 1.875 in

Standards

NEC Articles: 800

NEC/(UL) Specification: CMR

CEC/C(UL) Specification: CMG

CPR Euroclass: Eca

Applicable Environmental and Other Programs

Environmental Space: Indoor - Riser

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 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

Flammability, LS0H, Toxicity Testing

C(UL) Flammability: FT4

UL Flammability: UL1666 Vertical Riser

ISO/IEC Flammability: IEC 60332-1-2

UL voltage rating: 300 V RMS

Plenum/Non-Plenum

Plenum (Y/N): No

Plenum Number: 6201UE

Part Number**Variants**

| Item # | Color | Putup Type | Length | UPC/EAN |
|-----------------|-------|--------------|----------|---------------|
| 5201UE.00305 | Gray | Reel | 305 m | 8719605008053 |
| 5201UE.00U305 | Gray | Reel | 305 m | 8719605008060 |
| 5201UE 008500 | Gray | Reel | 500 ft | 612825157809 |
| 5201UE 0081000 | Gray | Reel | 1,000 ft | 612825157823 |
| 5201UE 008U1000 | Gray | UnReel | 1,000 ft | 612825425687 |
| 5201UE 008Z1000 | Gray | ReelTuff Box | 1,000 ft | 612825157847 |

Footnote: C - CRATE REEL PUT-UP.

History

Update and Revision:

Revision Number: 0.269 Revision Date: 04-28-2020

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