



Product: [5301UE](#)

Security & Sound, 3 Conductor 18 AWG, BC, CMR

Product Description

Security & Commercial Audio Cable, Riser-CMR, 3-18 AWG stranded bare copper conductors with polypropylene insulation, PVC jacket with ripcord

Technical Specifications

Product Overview

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

Construction Details

Conductor

| Element | No. of Elements | Size | Stranding | Material |
|--------------|-----------------|--------|-----------|------------------|
| Conductor(s) | 3 | 18 AWG | 7x26 | BC - Bare Copper |

Insulation

| Element | Material | Nom. Thickness | Nom. Insulation Diameter | Color Code |
|--------------|-----------------|--------------------|--------------------------|-------------------|
| Conductor(s) | PO - Polyolefin | 0.009 in (0.23 mm) | 0.062 in (1.6 mm) | Black, Red, White |

Outer Jacket

| Material | Nom. Thickness | Nom. Diameter | Ripcord |
|--------------------------|--------------------|--------------------|---------|
| PVC - Polyvinyl Chloride | 0.017 in (0.43 mm) | 0.167 in (4.24 mm) | Yes |

| | |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.167 in (4.24 mm) |
|-----------------------------------|--------------------|

Electrical Characteristics

Electricals

| Element | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Max. Current |
|--------------|--------------------|-------------------------------|-----------------------------|
| Conductor(s) | 6.5 Ohm/1000ft | 20.25 pF/ft (66.44 pF/m) | 5 Amps per conductor @ 25°C |

Voltage

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

Mechanical Characteristics

Temperature

| UL Temperature | Operating |
|----------------|----------------|
| 75°C | -20°C to +75°C |

Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
| 1.7 in (43 mm) | 1.7 in (43 mm) |

| | |
|--------------------|----------------|
| Max. Pull Tension: | 67 lbs (30 kg) |
| Bulk Cable Weight: | 22 lbs/1000ft |

Standards and Compliance

| | |
|----------------------------------|--|
| Environmental Suitability: | Indoor - Riser, Indoor |
| Flammability / Reaction to Fire: | UL 1666 Riser, FT4, IEC 60332-1-2 |
| CPR Compliance: | CPR Euroclass: Eca |
| NEC / UL Compliance: | Article 800, CMR |
| CEC / C(UL) Compliance: | CMG |
| 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) |
| Plenum Number: | 6301UE |

History

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|----------------------|--|
| Update and Revision: | Revision Number: 0.499 Revision Date: 04-28-2023 |
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Part Numbers

Variants

| Item # | Color | Putup Type | Length | UPC/EAN | Footnote |
|-----------------|-------|--------------|----------|---------------|----------|
| 5301UE.00305 | Gray | Reel | 305 m | 8719605171863 | |
| 5301UE 008500 | Gray | Reel | 500 ft | 612825159476 | |
| 5301UE 0081000 | Gray | Reel | 1,000 ft | 612825159490 | C |
| 5301UE 008U1000 | Gray | UnReel | 1,000 ft | 612825423614 | |
| 5301UE 008Z1000 | Gray | ReelTuff Box | 1,000 ft | 612825159513 | |

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