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### General Description:

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

### Usage (Overall)

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

### Physical Characteristics (Overall)

#### Conductor

AWG:

| # Conductors | AWG | Stranding | Conductor Material |
|--------------|-----|-----------|--------------------|
| 3            | 16  | 19x29     | BC - Bare Copper   |

Total Number of Conductors: 3

#### Insulation

Insulation Material:

| Insulation Material | Wall Thickness (mm) |
|---------------------|---------------------|
| PP - Polypropylene  | 0.178               |

#### Outer Shield

Outer Shield Material:

| Outer Shield Material |
|-----------------------|
| Unshielded            |

#### Outer Jacket

Outer Jacket Material:

| Outer Jacket Material    | Nom. Wall Thickness (mm) |
|--------------------------|--------------------------|
| PVC - Polyvinyl Chloride | 0.432                    |

Outer Jacket Ripcord: Yes

#### Overall Cable

Overall Cabling Lay Length & Direction:

| Length (mm) | Twists (twist/m) |
|-------------|------------------|
| 101.5996    | 9.843            |

Overall Cabling Color Code Chart:

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

Overall Nominal Diameter: 4.750 mm

### Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +75°C

UL Temperature Rating: 75°C

Bulk Cable Weight: 51.194 Kg/Km

Max. Recommended Pulling Tension: 391.442 N

Min. Bend Radius/Minor Axis: 47.625 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMR

NEC Articles: 800

CEC/C(UL) Specification: CMG

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

## METRIC MEASUREMENT VERSION

## 5201UE Multi-Conductor - Commercial Audio Systems

|                                       |            |
|---------------------------------------|------------|
| EU CE Mark:                           | Yes        |
| EU Directive 2000/53/EC (ELV):        | Yes        |
| EU Directive 2002/95/EC (RoHS):       | Yes        |
| EU RoHS Compliance Date (mm/dd/yyyy): | 04/01/2005 |
| EU Directive 2002/96/EC (WEEE):       | Yes        |
| EU Directive 2003/11/EC (BFR):        | Yes        |
| CA Prop 65 (CJ for Wire & Cable):     | Yes        |
| MII Order #39 (China RoHS):           | Yes        |

### Flame Test

|                   |                       |
|-------------------|-----------------------|
| UL Flame Test:    | UL1666 Vertical Riser |
| C(UL) Flame Test: | FT4                   |

### Plenum/Non-Plenum

|                |        |
|----------------|--------|
| Plenum (Y/N):  | No     |
| Plenum Number: | 6201UE |

## Surface Printing (Overall)

### Electrical Characteristics (Overall)

#### Nom. Capacitance Conductor to Conductor:

|                    |
|--------------------|
| Capacitance (pF/m) |
| 77.104             |

#### Nom. Conductor DC Resistance:

|                     |
|---------------------|
| DCR @ 20°C (Ohm/km) |
| 13.7802             |

#### Max. Operating Voltage - UL:

|           |
|-----------|
| Voltage   |
| 300 V RMS |

#### Max. Recommended Current:

|                                |
|--------------------------------|
| Current                        |
| 6.25 Amps per conductor @ 25°C |

### Put Ups and Colors:

| Item #          | Putup    | Ship Weight | Color | Notes | Item Desc      |
|-----------------|----------|-------------|-------|-------|----------------|
| 5201UE 008U1000 | 1,000 FT | 33.000 LB   | GRAY  |       | 3 #16 PP FRPVC |
| 5201UE 0081000  | 1,000 FT | 33.000 LB   | GRAY  | C     | 3 #16 PP FRPVC |
| 5201UE 008500   | 500 FT   | 17.000 LB   | GRAY  |       | 3 #16 PP FRPVC |

#### Notes:

C = CRATE REEL PUT-UP.

Revision Number: 2    Revision Date: 03-11-2013

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