



**Product:** [5301FE](#)

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

### Product Description

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

### Technical Specifications

#### Product Overview

|                        |  |
|------------------------|--|
| Suitable Applications: | Intercom/PA Systems, Sound/Audio Systems |
|------------------------|--|

#### 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 Shield

| Shield Type | Material                | Coverage | Drainwire Type   |
|-------------|-------------------------|----------|------------------|
| Tape        | Bi-Laminate (Alum+Poly) | 100%     | 24 AWG (7x32) TC |

##### Outer Jacket

| Material                 | Nom. Thickness     | Nom. Diameter      | Ripcord |
|--------------------------|--------------------|--------------------|---------|
| PVC - Polyvinyl Chloride | 0.017 in (0.43 mm) | 0.171 in (4.34 mm) | Yes     |

|                                   |                    |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.171 in (4.34 mm) |
|-----------------------------------|--------------------|

#### Electrical Characteristics

##### Electricals

| Element      | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Max. Current                |
|--------------|--------------------|-------------------------------|---|-----------------------------|
| Conductor(s) | 6.5 Ohm/1000ft     | 36 pF/ft (120 pF/m)           | 64.75 pF/ft (212.4 pF/m)                        | 5 Amps per conductor @ 25°C |

##### Voltage

|                          |
|--------------------------|
| <b>UL Voltage Rating</b> |
| 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: | 81 lbs (37 kg) |
| Bulk Cable Weight: | 24 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:                   | 6301FE   |

## History

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.507 Revision Date: 04-13-2023 |
|----------------------|--|

## Part Numbers

### Variants

| Item #          | Color  | Putup Type   | Length   | UPC/EAN       | Footnote |
|-----------------|--------|--------------|----------|---------------|----------|
| 5301FE.00305    | Chrome | Reel         | 305 m    | 8719605008206 |          |
| 5301FE 008500   | Gray   | Reel         | 500 ft   | 612825336815  |          |
| 5301FE 008U500  | Gray   | UnReel       | 500 ft   | 612825425564  |          |
| 5301FE 0081000  | Gray   | Reel         | 1,000 ft | 612825336839  | C        |
| 5301FE 008U1000 | Gray   | UnReel       | 1,000 ft | 612825159438  |          |
| 5301FE 008Z1000 | Gray   | ReelTuff Box | 1,000 ft | 612825159452  |          |

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