



REPRESENTATIVE IMAGE

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 | Number of Element | Size | Stranding | Material |
|--------------|-------------------|--------|-----------|------------------|
| Conductor(s) | 3 | 18 AWG | 7x26 | BC - Bare Copper |

Insulation

| Element | Material | Nom. Thickness | Color Code |
|--------------|--------------------|--------------------|-------------------|
| Conductor(s) | PP - Polypropylene | 0.009 in (0.23 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 (21 Ohm/km) | 36 pF/ft (120 pF/m) | 64.75 pF/ft (212.4 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: | 81 lbs |
| Bulk Cable Weight: | 24 lbs/1000ft (36 kg/km) |

Standards and Compliance

| | |
|----------------------------------|--|
| Environmental Suitability: | Indoor - Riser, Indoor |
| Flammability / Reaction to Fire: | UL1666 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) |
| APAC Compliance: | China RoHS II (GB/T 26572-2011) |
| Plenum Number: | 6301FE |

History

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| Update and Revision: | Revision Number: 0.311 Revision Date: 10-27-2021 |
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Variants

| Item # | Color | Putup Type | Length | UPC/EAN |
|-----------------|--------|--------------|----------|---------------|
| 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 |
| 5301FE 008U1000 | Gray | UnReel | 1,000 ft | 612825159438 |
| 5301FE 008Z1000 | Gray | ReelTuff Box | 1,000 ft | 612825159452 |

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