




REPRESENTATIVE IMAGE

Product: [5501FE](#) 

Security & Sound, #22-3c BC, Shielded, CMR

Product Description

Security & Commercial Audio Cable, 3 Conductor 22 AWG stranded (7x30) bare copper conductors with polypropylene insulation, Beldfoil® shield, Riser-CMR, 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 | 22 AWG | 7x30 | BC - Bare Copper |

Insulation

| Element | Material | Nom. Thickness | Color Code |
|--------------|--------------------|--------------------|-------------------|
| Conductor(s) | PP - Polypropylene | 0.008 in (0.20 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) | 0.133 in (3.38 mm) | Yes |

| | |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.133 in (3.38 mm) |
|-----------------------------------|--------------------|

Electrical Characteristics

Electricals

| Element | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Max. Current |
|--------------|-------------------------------|-------------------------------|---|-------------------------------|
| Conductor(s) | 16.4 Ohm/1000ft (53.8 Ohm/km) | 28.25 pF/ft (92.68 pF/m) | 51 pF/ft (170 pF/m) | 2.8 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. |
|-----------------|-------------------|
| | |

| | |
|----------------|----------------|
| 1.3 in (33 mm) | 1.3 in (33 mm) |
|----------------|----------------|

| | |
|--------------------|--------------------------|
| Max. Pull Tension: | 33 lbs |
| Bulk Cable Weight: | 12 lbs/1000ft (18 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 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE) |
| APAC Compliance: | China RoHS II (GB/T 26572-2011) |
| Plenum Number: | 6501FH |

History

| | |
|----------------------|--|
| Update and Revision: | Revision Number: 0.369 Revision Date: 12-15-2021 |
|----------------------|--|

Variants

| Item # | Color | Putup Type | Length | UPC/EAN |
|-----------------|-------|--------------|----------|---------------|
| 5501FE.00152 | Gray | Reel | 152 m | 8719605008626 |
| 5501FE.00305 | Gray | Reel | 305 m | 8719605008633 |
| 5501FE.00U305 | Gray | Reel | 305 m | 8719605008640 |
| 5501FE 008500 | Gray | Reel | 500 ft | 612825163152 |
| 5501FE 008U500 | Gray | UnReel | 500 ft | 612825423966 |
| 5501FE 0081000 | Gray | Reel | 1,000 ft | 612825163183 |
| 5501FE 008U1000 | Gray | UnReel | 1,000 ft | 612825163169 |
| 5501FE 008Z1000 | Gray | ReelTuff Box | 1,000 ft | 612825163206 |

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