



Product: [5500FE](#)

Security & Sound, 2 Conductor 22 AWG, BC, CMR

REPRESENTATIVE IMAGE

Product Description

Security & Sound Cable, Riser-CMR, 2-22 AWG stranded bare copper conductors with polypropylene insulation, Beldfoil® shield and PVC jacket with ripcord

Technical Specifications

Product Overview

| | |
|------------------------|--|
| Suitable Applications: | Security System, Intercom/PA, Audio/Speaker, Noisy Environment |
|------------------------|--|

Construction Details

Conductor

| Element | Number of Element | AWG | Stranding | Material |
|--------------|-------------------|-----|-----------|------------------|
| Conductor(s) | 2 | 22 | 7x30 | BC - Bare Copper |

Insulation

| Element | Material | Thickness | Nom. Insulation Diameter | Color Code |
|--------------|--------------------|-----------|--------------------------|------------|
| Conductor(s) | PP - Polypropylene | 0.008 in | 0.045 | Black, Red |

Outer Shield Material

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

Outer Jacket Material

| Material | Thickness | Nom. Diameter | Ripcord |
|--------------------------|-----------|---------------|---------|
| PVC - Polyvinyl Chloride | 0.017 in | 0.126 in | Yes |

| | |
|---------------------------|----------|
| Cable Diameter (Nominal): | 0.126 in |
|---------------------------|----------|

Electrical Characteristics

Electricals

| Element | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Max. Current |
|--------------|--------------------|-------------------------------|---|--------------------------------|
| Conductor(s) | 16.1 Ohm/1000ft | 34.5 pF/ft | 62 pF/ft | 2.8 Amps per Conductor at 25°C |

| | |
|-----------------------|-----------------|
| Nom Outer Shield DCR: | 16.1 Ohm/1000ft |
|-----------------------|-----------------|

Voltage

| |
|--------------------------|
| UL Voltage Rating |
| 300 V |

Mechanical Characteristics

Temperature

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

Bend Radius

| | |
|------------------------|--------------------------|
| Stationary Min. | Installation Min. |
|------------------------|--------------------------|

| | |
|--------|--------|
| 1.5 in | 1.3 in |
|--------|--------|

| | |
|--------------------|---------------|
| Max. Pull Tension: | 23.7 lbs |
| Bulk Cable Weight: | 10 lbs/1000ft |

Standards and Compliance

| | |
|---------------------------------|--|
| Environmental Suitability: | Indoor - Riser, Indoor |
| Flammability / Fire Resistance: | UL1666 Riser, FT4, IEC 60332-1-2 |
| NEC / UL Compliance: | Article 800, CMR |
| CEC / C(UL) Compliance: | CMG |
| CPR Euroclass: | Eca |
| 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: | 6500FH |

History

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| Update and Revision: | Revision Number: 0.380 Revision Date: 03-16-2021 |
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