



Product: [5542FE](#)

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

Product Description

Security & Sound Cable, Riser-CMR, 3-22 AWG stranded bare copper pairs with polyolefin insulation, Beldfoil® shield and PVC jacket with ripcord

Technical Specifications

Product Overview

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

Construction Details

Conductor

| Element | Number of Element | Size | Stranding | Material |
|---------|-------------------|------|-----------|------------------|
| Pair(s) | 3 | 22 | 7x30 | BC - Bare Copper |

Insulation

| Material | Nom. Thickness | Nom. Insulation Diameter | Color Code |
|-----------------|--------------------|--------------------------|---|
| PO - Polyolefin | 0.008 in (0.20 mm) | 0.045 in (1.1 mm) | Black & Red, Black & White, Black & Green |

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) | 0.189 in (4.80 mm) | Yes |

Electrical Characteristics

Electricals

| Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Max. Current |
|--------------------|-------------------------------|---|------------------------------|
| 17.6 Ohm/1000ft | 24 pF/ft (79 pF/m) | 43.25 pF/ft (141.9 pF/m) | 2 Amps per Conductor at 25°C |

Voltage

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

Mechanical Characteristics

Temperature

| UL Temperature | Operating |
|----------------|----------------|
| 75°C | -20°C To +75°C |

Bend Radius

| Stationary Min. | Installation Min. |
|-------------------|-------------------|
| 1.89 in (48.0 mm) | 1.89 in (48.0 mm) |

| | |
|--------------------|--------|
| Max. Pull Tension: | 60 lbs |
|--------------------|--------|

| | |
|--------------------|---------------|
| Bulk Cable Weight: | 23 lbs/1000ft |
|--------------------|---------------|

Standards and Compliance

| | |
|----------------------------------|--|
| Flammability / Reaction to Fire: | UL 1666 riser, FT4 |
| 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: | 6542FE |

History

| | |
|----------------------|--|
| Update and Revision: | Revision Number: 0.355 Revision Date: 01-11-2022 |
|----------------------|--|

Variants

| Item # | Color | UPC |
|-----------------|-------|--------------|
| 5542FE 0081000 | Gray | 612825164333 |
| 5542FE 008U1000 | Gray | 612825164326 |

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