



Product: [5508FE](#)

Security & Sound, #22-10c, BC, Shielded, CMR

Product Description

Security & Sound Cable, Riser-CMR, 10-22 AWG stranded bare copper conductors 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 | No. of Elements | Size | Stranding | Material |
|--------------|-----------------|------|-----------|------------------|
| Conductor(s) | 10 | 22 | 7x30 | BC - Bare Copper |

Insulation

| Material | Nom. Thickness | Nom. Insulation Diameter | Color Code |
|--------------------|--------------------|--------------------------|---|
| PP - Polypropylene | 0.008 in (0.20 mm) | 0.062 in (1.6 mm) | Black, Red, White, Green, Brown, Blue, Orange, Yellow, Purple, Gray |

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 | 0.018 in (0.46 mm) | 0.217 in (5.51 mm) | Yes |

Electrical Characteristics

Electricals

| Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Max. Current |
|--------------------|-------------------------------|---|------------------------------|
| 17.41 Ohm/1000ft | 22.5 pF/ft (73.8 pF/m) | 40.5 pF/ft (133 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. |
|-------------------|-------------------|
| 2.17 in (55.1 mm) | 2.17 in (55.1 mm) |

| | |
|--------------------|--------------------|
| Max. Pull Tension: | 96.5 lbs (43.8 kg) |
|--------------------|--------------------|

| | |
|--------------------|---------------|
| Bulk Cable Weight: | 32 lbs/1000ft |
|--------------------|---------------|

Standards and Compliance

| | |
|----------------------------------|--|
| Environmental Suitability: | Outdoor |
| Flammability / Reaction to Fire: | UL1666 Riser |
| 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: | 6508FE |

History

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|----------------------|--|
| Update and Revision: | Revision Number: 0.427 Revision Date: 01-20-2023 |
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Part Numbers

Variants

| Item # | Color | UPC | Footnote |
|-----------------|-------|--------------|----------|
| 5508FE 0081000 | Gray | 612825163947 | C |
| 5508FE 008U1000 | Gray | 612825163923 | |
| 5508FE 008U500 | Gray | 612825163930 | |

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