



Product: [5407FE](#)

Security & Sound, #20-9c, BC, Shielded, CMR

Product Description
Security & Sound Cable, Riser-CMR, 9-20 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) | 9 | 20 AWG | 7x28 | BC - Bare Copper |

Insulation

| Element | Material | Nom. Thickness | Nom. Insulation Diameter | Color Code |
|--------------|--------------------|--------------------|--------------------------|---|
| Conductor(s) | PP - Polypropylene | 0.008 in (0.20 mm) | 0.052 in (1.3 mm) | Black, Red, White, Green, Brown, Blue, Orange, Yellow, Purple |

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) | 0.22 in | Yes |

| | |
|-----------------------------------|---------|
| Overall Cable Diameter (Nominal): | 0.22 in |
|-----------------------------------|---------|

Electrical Characteristics

Electricals

| Element | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Max. Current |
|--------------|--------------------|-------------------------------|---|--------------------------------|
| Conductor(s) | 10.2 Ohm/1000ft | 26 pF/ft (85 pF/m) | 46.75 pF/ft (153.4 pF/m) | 2.6 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. |
|-----------------|-------------------|
| 2.2 in (56 mm) | 2.2 in |

| | |
|--------------------|----------------------|
| Max. Pull Tension: | 122.5 lbs (55.57 kg) |
| Bulk Cable Weight: | 43 lbs/1000ft |

Standards and Compliance

| | |
|----------------------------------|--|
| Environmental Suitability: | Indoor |
| Flammability / Reaction to Fire: | UL1666 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: | 6407FE |

History

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|----------------------|--|
| Update and Revision: | Revision Number: 0.325 Revision Date: 05-05-2023 |
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Part Numbers

Variants

| Item # | Color | UPC | Footnote |
|----------------|-------|--------------|----------|
| 5407FE 0081000 | Gray | 612825162285 | C |

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