



Product: [5403FE](#)

Security & Sound, #20-5c, BC, Shielded, CMR

Product Description

Security & Sound Cable, Riser-CMR, 5-20 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, Power-Limited Controls, Noisy Environment |
|------------------------|--|

Construction Details

Conductor

| Element      | No. of Elements | Size   | Stranding | Material         |
|--------------|-----------------|--------|-----------|------------------|
| Conductor(s) | 5               | 20 AWG | 7x28      | BC - Bare Copper |

Insulation

| Element      | Material           | Nom. Thickness     | Color Code                      |
|--------------|--------------------|--------------------|---------------------------------|
| Conductor(s) | PP - Polypropylene | 0.008 in (0.20 mm) | Black, Red, White, Green, Brown |

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) | 0.177 in (4.50 mm) | Yes     |

|                                   |                    |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.177 in (4.50 mm) |
|-----------------------------------|--------------------|

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 (33.5 Ohm/km) | 26 pF/ft (85 pF/m)            | 46.75 pF/ft (153.4 pF/m)                        | 3 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. |
|-----------------|-------------------|
| 1.8 in (46 mm)  | 1.8 in (46 mm)    |

|                    |                          |
|--------------------|--------------------------|
| Max. Pull Tension: | 72 lbs (33 kg)           |
| Bulk Cable Weight: | 26 lbs/1000ft (39 kg/km) |

Standards and Compliance

|                                  |  |
|----------------------------------|--|
| Environmental Suitability:       | Indoor - Riser, Indoor   |
| 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:                   | 6403FE   |

History

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.299 Revision Date: 05-05-2023 |
|----------------------|--|

Part Numbers

Variants

| Item #          | Color | UPC          | Footnote |
|-----------------|-------|--------------|----------|
| 5403FE 0081000  | Gray  | 612825337065 | C        |
| 5403FE 008U1000 | Gray  | 612825162223 |          |

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