



**Product:** [6402FE](#)

Security & Sound, #20-4c, BC, Shielded, CMP

Product Description

Security & Sound Cable, Plenum-CMP, 4-20 AWG stranded bare copper conductors with Flamarrest® insulation, Beldfoil® shield and Flamarrest® 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) | 4               | 20   | 7x28      | BC - Bare Copper |

Insulation

| Material                 | Nom. Thickness     | Nom. Insulation Diameter | Color Code               |
|--------------------------|--------------------|--------------------------|--------------------------|
| PVC - Polyvinyl Chloride | 0.009 in (0.23 mm) | 0.047 in (1.2 mm)        | Black, Red, White, Green |

Outer Shield

| Shield Type | Material                | Coverage | Drainwire Type    |
|-------------|-------------------------|----------|-------------------|
| Tape        | Bi-Laminate (Alum+Poly) | 100%     | 22 AWG (19x32) TC |

Outer Jacket

| Material                 | Nom. Thickness     | Nom. Diameter | Ripcord |
|--------------------------|--------------------|---------------|---------|
| PVC - Polyvinyl Chloride | 0.015 in (0.38 mm) | 0.164 in      | Yes     |

Electrical Characteristics

Electricals

| Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Max. Current                 |
|--------------------|-------------------------------|-------------------------------------------------|------------------------------|
| 11.1 Ohm/1000ft    | 36 pF/ft (120 pF/m)           | 64.8 pF/ft (213 pF/m)                           | 3 Amps per Conductor at 25°C |

Voltage

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

Mechanical Characteristics

Temperature

| UL Temperature | Operating    |
|----------------|--------------|
| 75°C           | 0°C To +75°C |

Bend Radius

| Stationary Min.   | Installation Min. |
|-------------------|-------------------|
| 1.64 in (41.7 mm) | 1.64 in           |

|                    |                    |
|--------------------|--------------------|
| Max. Pull Tension: | 62.4 lbs (28.3 kg) |
| Bulk Cable Weight: | 24 lbs/1000ft      |

Standards and Compliance

|                                  |                                                                              |
|----------------------------------|------------------------------------------------------------------------------|
| Environmental Suitability:       | Indoor, Outdoor                                                              |
| Flammability / Reaction to Fire: | NFPA 262 (UL 910), FT6                                                       |
| NEC / UL Compliance:             | Article 800, CMP                                                             |
| CEC / C(UL) Compliance:          | CMP                                                                          |
| 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)                                              |
| Non-Plenum Number:               | 5402FE                                                                       |

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.316 Revision Date: 05-05-2023 |
|----------------------|--------------------------------------------------|

Part Numbers

Variants

| Item #          | Color   | UPC          | Footnote |
|-----------------|---------|--------------|----------|
| 6402FE 8771000  | Natural | 612825176749 | C        |
| 6402FE 877U1000 | Natural | 612825176732 |          |

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