



Product: [5402FE](#)

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

Product Description

Security & Sound Cable, Riser-CMR, 4-20 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) | 4 | 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 |

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) | 0.163 in (4.14 mm) | Yes |

| | |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.163 in (4.14 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 | 24.75 pF/ft (81.20 pF/m) | 44.5 pF/ft (146 pF/m) | 6.4 Amps per conductor @ 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. |
|-----------------|-------------------|
| 1.6 in (41 mm) | 1.6 in (41 mm) |

| | |
|--------------------|----------------|
| Max. Pull Tension: | 56 lbs (25 kg) |
| Bulk Cable Weight: | 22 lbs/1000ft |

Standards and Compliance

| | |
|----------------------------------|------------------------------|
| Environmental Suitability: | Indoor - Riser, Indoor |
| Flammability / Reaction to Fire: | UL 1666 Riser, IEEE 1202 FT4 |
| CPR Compliance: | CPR Euroclass: Eca |
| NEC / UL Compliance: | Article 800, CMR |
| CEC / C(UL) Compliance: | CMG |
| European Directive Compliance: | EU CE Mark |
| UK Regulation Compliance: | UKCA Mark |
| Plenum Number: | 6402FE |

History

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|----------------------|--|
| Update and Revision: | Revision Number: 0.452 Revision Date: 03-04-2023 |
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Part Numbers

Variants

| Item # | Color | UPC | Footnote |
|-----------------|-------|--------------|----------|
| 5402FE 0081000 | Gray | 612825337058 | C |
| 5402FE 008500 | Gray | 612825162148 | |
| 5402FE 008C500 | Gray | | |
| 5402FE 008U1000 | Gray | 612825162124 | |
| 5402FE 008U500 | Gray | 612825162131 | |

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