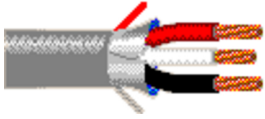




Product: [5401FE](#)



Security & Sound, 3 Conductor 20 AWG, BC, O/A Foil, CMR

Product Description

Security & Commercial Audio Cable, Riser-CMR, 3-20 AWG stranded bare copper conductors with polyolefin insulation, Beldfoil® shield and PVC jacket with ripcord

Technical Specifications

Product Overview

| | |
|------------------------|------------------------------------------|
| Suitable Applications: | Intercom/PA Systems, Sound/Audio Systems |
|------------------------|------------------------------------------|

Construction Details

Conductor

| Element | Number of Element | Size | Stranding | Material |
|--------------|-------------------|--------|-----------|------------------|
| Conductor(s) | 3 | 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 |

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) | 0.149 in | Yes |

| | |
|-----------------------------------|----------|
| Overall Cable Diameter (Nominal): | 0.149 in |
|-----------------------------------|----------|

Electrical Characteristics

Electricals

| Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Max. Current |
|--------------------|-------------------------------|-------------------------------------------------|---------------------------------|
| 10.2 Ohm/1000ft | 50 pF/ft (160 pF/m) | 90 pF/ft (300 pF/m) | 3.75 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. |
|-------------------|-------------------|
| 1.49 in (37.8 mm) | 1.49 in |

| | |
|--------------------|--------------------|
| Max. Pull Tension: | 43.3 lbs (19.6 kg) |
| Bulk Cable Weight: | 17 lbs/1000ft |

Standards and Compliance

| | |
|----------------------------------|------------------------------------------------------------------------------|
| Environmental Suitability: | Indoor - Riser, Indoor |
| Flammability / Reaction to Fire: | UL1666 Riser, FT4, IEC 60332-1-2 |
| CPR Compliance: | CPR Euroclass: Eca |
| 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) |
| UK Regulation Compliance: | UKCA Mark |
| APAC Compliance: | China RoHS II (GB/T 26572-2011) |
| Plenum Number: | 6401FE |

History

| | |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.384 Revision Date: 12-20-2022 |
|----------------------|--------------------------------------------------|

Part Numbers

Variants

| Item # | Color | Putup Type | Length | UPC |
|-----------------|-------|--------------|----------|--------------|
| 5401FE 008500 | Gray | Reel | 500 ft | 612825162025 |
| 5401FE 008U500 | Gray | UnReel | 500 ft | 612825425892 |
| 5401FE 0081000 | Gray | Reel | 1,000 ft | 612825162056 |
| 5401FE 008U1000 | Gray | UnReel | 1,000 ft | 612825162032 |
| 5401FE 008Z1000 | Gray | ReelTuff Box | 1,000 ft | 612825162070 |

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