



Product: [5400FE](#)

Security & Sound, 2 Conductor 20 AWG, BC, Shielded, CMR

Product Description

Security & Commercial Audio Cable, Riser-CMR, 2-20 AWG stranded bare copper conductors with polypropylene insulation, Beldfoil® shield and PVC jacket with ripcord

Technical Specifications

Product Overview

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

Construction Details

Conductor

| Element      | No. of Elements | Size   | Stranding | Material         |
|--------------|-----------------|--------|-----------|------------------|
| Conductor(s) | 2               | 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 |

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) | 0.142 in (3.61 mm) | Yes     |

|                                   |                    |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.142 in (3.61 mm) |
|-----------------------------------|--------------------|

Electrical Characteristics

Electricals

| Element      | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Max. Current                |
|--------------|--------------------|-------------------------------|-------------------------------------------------|-----------------------------|
| Conductor(s) | 10.3 Ohm/1000ft    | 40 pF/ft (130 pF/m)           | 72 pF/ft (240 pF/m)                             | 8 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. |
|-----------------|-------------------|
| 1.4 in (36 mm)  | 1.4 in (36 mm)    |

|                    |                    |
|--------------------|--------------------|
| Max. Pull Tension: | 30.7 lbs (13.9 kg) |
| Bulk Cable Weight: | 13 lbs/1000ft      |

Standards and Compliance

|                                  |                                                                              |
|----------------------------------|------------------------------------------------------------------------------|
| Environmental Suitability:       | Indoor - Riser, Indoor                                                       |
| Flammability / Reaction to Fire: | UL 1666 Riser, IEEE 1202 FT4, IEC 60332-1-2                                  |
| CPR Compliance:                  | CPR Euroclass: Eca; CPR UKCA Class: 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:                   | 6400FE                                                                       |

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.511 Revision Date: 03-29-2023 |
|----------------------|--------------------------------------------------|

Part Numbers

Variants

| Item #          | Color  | Putup Type   | Length   | UPC/EAN       | Footnote |
|-----------------|--------|--------------|----------|---------------|----------|
| 5400FE.00305    | Chrome | Reel         | 305 m    | 8719605008497 |          |
| 5400FE 008500   | Gray   | Reel         | 500 ft   | 612825161929  |          |
| 5400FE 008U500  | Gray   | UnReel       | 500 ft   | 612825423294  |          |
| 5400FE 0081000  | Gray   | Reel         | 1,000 ft | 612825161943  | C        |
| 5400FE 008U1000 | Gray   | UnReel       | 1,000 ft | 612825161936  |          |
| 5400FE 008Z1000 | Gray   | ReelTuff Box | 1,000 ft | 612825161967  |          |

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