



REPRESENTATIVE IMAGE

**Product:** [5000FE](#)

Security & Sound, 2 Conductor 12 AWG, BC, O/A Foil, CL3R-FPLR

## Product Description

Security & Commercial Audio Cable, Riser-CL3R-FPLR, 2-12 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, Fire Alarm Systems (Red only), Noisy Environment |
|------------------------|---|

### Construction Details

#### Conductor

| Element      | Number of Element | Size   | Stranding | Material         |
|--------------|-------------------|--------|-----------|------------------|
| Conductor(s) | 2                 | 12 AWG | 19x25     | BC - Bare Copper |

#### Insulation

| Element      | Material           | Nom. Thickness     | Nom. Insulation Diameter | Color Code   |
|--------------|--------------------|--------------------|--------------------------|--------------|
| Conductor(s) | PP - Polypropylene | 0.011 in (0.28 mm) | 0.113 in (2.87 mm)       | Black, White |

#### Outer Shield

| Shield Type | Material                | Coverage |
|-------------|-------------------------|----------|
| Tape        | Bi-Laminate (Alum+Poly) | 100%     |

#### Outer Jacket

| Material                 | Nom. Thickness     | Nom. Diameter      | Ripcord |
|--------------------------|--------------------|--------------------|---------|
| PVC - Polyvinyl Chloride | 0.017 in (0.43 mm) | 0.264 in (6.71 mm) | Yes     |

|                                   |                    |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.264 in (6.71 mm) |
|-----------------------------------|--------------------|

### Electrical Characteristics

#### Electricals

| Element      | Nom. Conductor DCR          | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Max. Current                  |
|--------------|-----------------------------|-------------------------------|---|-------------------------------|
| Conductor(s) | 1.6 Ohm/1000ft (5.2 Ohm/km) | 64 pF/ft (210 pF/m)           | 115.25 pF/ft (378.12 pF/m)                      | 12 Amps per Conductor at 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. |
|-----------------|-------------------|
|                 |                   |

2.6 in (66 mm) 2.6 in (66 mm)

|                    |                          |
|--------------------|--------------------------|
| Max. Pull Tension: | 182.4 lbs                |
| Bulk Cable Weight: | 55 lbs/1000ft (82 kg/km) |

## Standards and Compliance

|                                  |  |
|----------------------------------|--|
| Environmental Suitability:       | Indoor - Riser, Indoor   |
| Flammability / Reaction to Fire: | UL1666 Vertical Shaft, FT4, IEC 60332-1-2                                    |
| CPR Compliance:                  | CPR Euroclass: Eca   |
| NEC / UL Compliance:             | Article 725, Article 760, CL3R, FPLR   |
| 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:                   | 6000FE   |

## History

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.441 Revision Date: 01-11-2022 |
|----------------------|--|

## Variants

| Item #         | Color | Putup Type | Length   | UPC          |
|----------------|-------|------------|----------|--------------|
| 5000FE 008500  | Gray  | Reel       | 500 ft   | 612825154549 |
| 5000FE 0081000 | Gray  | Reel       | 1,000 ft | 612825154532 |
| 5000FE 0021000 | Red   | Reel       | 1,000 ft | 612825154518 |

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