



**Product:** [5302FE](#) 

Security & Sound, #18-4c, BC, Shielded, CMR

## Product Description

Security & Sound Cable, Riser-CMR, 4-18 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               | 18 AWG | 7x26      | BC - Bare Copper |

#### Insulation

| Element      | Material        | Nom. Thickness     | Nom. Insulation Diameter | Color Code               |
|--------------|-----------------|--------------------|--------------------------|--------------------------|
| Conductor(s) | PO - Polyolefin | 0.009 in (0.23 mm) | 0.062 in (1.6 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) | 0.188 in (4.78 mm) | Yes     |

|                                   |                    |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.188 in (4.78 mm) |
|-----------------------------------|--------------------|

### Electrical Characteristics

#### Electricals

| Element      | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Max. Current                |
|--------------|--------------------|-------------------------------|-------------------------------------------------|-----------------------------|
| Conductor(s) | 6.5 Ohm/1000ft     | 27 pF/ft (89 pF/m)            | 48.5 pF/ft (159 pF/m)                           | 4 Amps per conductor @ 25°C |

|                                      |                            |
|--------------------------------------|----------------------------|
| Nom Outer Shield DCR@Cond DCR1-cnvt: | 7.2 Ohm/1000ft (24 Ohm/km) |
|--------------------------------------|----------------------------|

#### Voltage

| UL Voltage Rating |
|-------------------|
| 300 V (CMR)       |

### Mechanical Characteristics

#### Temperature

| UL Temperature | Operating      |
|----------------|----------------|
| 75°C           | -20°C to +75°C |

#### Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
| 1.9 in (48 mm)  | 1.9 in (48 mm)    |

|                    |                   |
|--------------------|-------------------|
| Max. Pull Tension: | 104 lbs (47.2 kg) |
| Bulk Cable Weight: | 31 lbs/1000ft     |

Standards and Compliance

|                                  |                                                                              |
|----------------------------------|------------------------------------------------------------------------------|
| Environmental Suitability:       | Indoor - Riser, Indoor                                                       |
| Flammability / Reaction to Fire: | UL 1666 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:                   | 6302FE                                                                       |

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.452 Revision Date: 09-07-2025 |
|----------------------|--------------------------------------------------|

Part Numbers

Variants

| Item #          | Color  | Putup Type | Length | UPC/EAN       | Footnote |
|-----------------|--------|------------|--------|---------------|----------|
| 5302FE.00152    | Chrome | Reel       | 152 m  | 8719605008220 |          |
| 5302FE.00305    | Chrome | Reel       | 305 m  | 8719605008237 |          |
| 5302FE.00U305   | Chrome | Reel       | 305 m  | 8719605008244 |          |
| 5302FE 0081000  | Gray   |            |        | 612825336846  | C        |
| 5302FE 008500   | Gray   |            |        | 612825159551  |          |
| 5302FE 008C250  | Gray   |            |        |               |          |
| 5302FE 008U1000 | Gray   |            |        | 612825159537  |          |
| 5302FE 008U500  | Gray   |            |        | 612825159544  |          |

|           |                        |
|-----------|------------------------|
| Footnote: | C - CRATE REEL PUT-UP. |
|-----------|------------------------|

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