



**Product:** [6302FE](#) 

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

## Product Description

Security & Sound Cable, Plenum-CMP, 4-18 AWG stranded bare copper conductors with Flamarrest® insulation, Beldfoil® shield and Flamarrest® jacket with ripcord

## Technical Specifications

### Product Overview

|                        |  |
|------------------------|--|
| Suitable Applications: | Security System, Intercom/PA, Audio/Speaker, 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) | PVC - Polyvinyl Chloride | 0.009 in (0.23 mm) | 0.061 in (1.5 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 | 0.015 in (0.38 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                | 42 pF/ft (140 pF/m)           | 76 pF/ft (250 pF/m)                             | 11.2 Amps per Conductor at 25°C (10°C Temperature Rise) |
| Nom Outer Shield DCR: | 14.4 Ohm/1000ft (47.2 Ohm/km) |                               |   |   |

#### 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. |
|-----------------|-------------------|
|                 |                   |

|                |                |
|----------------|----------------|
| 1.9 in (48 mm) | 1.9 in (48 mm) |
|----------------|----------------|

|                    |                |
|--------------------|----------------|
| Max. Pull Tension: | 95 lbs (43 kg) |
|--------------------|----------------|

|                    |               |
|--------------------|---------------|
| Bulk Cable Weight: | 32 lbs/1000ft |
|--------------------|---------------|

## Standards and Compliance

|                            |                |
|----------------------------|----------------|
| Environmental Suitability: | Indoor, Indoor |
|----------------------------|----------------|

|                                  |   |
|----------------------------------|---|
| Flammability / Reaction to Fire: | NFPA 262, UL 910 (Plenum), FT6, IEC 60332-1-2 |
|----------------------------------|---|

|                 |   |
|-----------------|---|
| CPR Compliance: | CPR Euroclass: Eca; CPR UKCA Class: Eca |
|-----------------|---|

|                      |                  |
|----------------------|------------------|
| NEC / UL Compliance: | Article 800, CMP |
|----------------------|------------------|

|                         |     |
|-------------------------|-----|
| CEC / C(UL) Compliance: | CMP |
|-------------------------|-----|

|                                |   |
|--------------------------------|---|
| European Directive Compliance: | EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), 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) |
|------------------|---------------------------------|

|                    |        |
|--------------------|--------|
| Non-Plenum Number: | 5302FE |
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## History

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.469 Revision Date: 09-07-2025 |
|----------------------|--|

## Part Numbers

### Variants

| Item #          | Color   | Length   | UPC          | Footnote |
|-----------------|---------|----------|--------------|----------|
| 6302FE 8771000  | Natural |          | 612825175308 | C        |
| 6302FE 877500   | Natural |          | 612825175315 |          |
| 6302FE 877C250  | Natural |          | 612825175278 |          |
| 6302FE 877U1000 | Natural |          | 612825175285 |          |
| 6302FE 877U500  | Natural |          | 612825175292 |          |
| 6302FE 877Z1000 | Natural | 1,000 ft | 612825423249 |          |

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