## Product: [6302FC](#) ↗

## Security & Sound, 4 Conductor 18 AWG BC, Shielded, Plenum

### Product Description

Security, Pro Audio & Intercom Cable, 4 Conductor 18 AWG stranded (7x26) bare copper conductors with FEP insulation, Beldfoil® shield, Plenum, Flamarrest® jacket with ripcord.

### Technical Specifications

#### Product Overview

| | |
|---|---|
| Suitable Applications: | Pro Audio, Intercom/PA Systems, Security Systems |

#### Physical Characteristics (Overall)

**Conductor**

| AWG | Stranding | Material | No. of Conductors |
|---|---|---|---|
| 18 | 7 | BC - Bare Copper | 4 |

| Conductor Count: | 4 |
|---|---|

**Insulation**

| Material | Nominal Wall Thickness |
|---|---|
| FEP - Fluorinated Ethylene Propylene | 0.006 in |

**Color Chart**

| Number | Color |
|---|---|
| 1 | Black |
| 2 | Red |
| 3 | White |
| 4 | Green |

**Outer Shield Material**

| Type | Material | Material Trade Name | Coverage [%] | Drainwire Material | Drainwire AWG | Drainwire Construction n x D |
|---|---|---|---|---|---|---|
| Tape | Alum / Poly | Beldfoil® | 100% | TC - Tinned Copper | 20 | 7x28 |

**Outer Jacket Material**

| Material | Material Trade Name | Nominal Diameter | Nominal Wall Thickness | Ripcord |
|---|---|---|---|---|
| PVC-LS - Polyvinyl Chloride (Low Smoke) | Flamarrest® | 0.179 in | 0.0165 in | Yes |

#### Electrical Characteristics

**Conductor DCR**

| Nominal Conductor DCR | Nominal Outer Shield DCR |
|---|---|
| 6.5 Ohm/1000ft | 7.3 Ohm/1000ft |

**Capacitance**

| Nom. Capacitance Conductor to Conductor | Nom. Capacitance Conductor to Other Conductor to Shield |
|---|---|
| 32 pF/ft | 57.6 pF/ft |

**Current**

4 Amps per Conductor at 25ºC

**Voltage**

| UL Voltage Rating |
|---|
| 300 V RMS |

## Temperature Range

| | |
|---|---|
| UL Temp Rating: | 75°C |
| Operating Temp Range: | 0°C To +75°C |

## Mechanical Characteristics

| | |
|---|---|
| Bulk Cable Weight: | 32.8 lbs/1000ft |
| Max. Pull Tension: | 89.6 lbs |
| Min Bend Radius/Minor Axis: | 1.75 in |

## Standards

| | |
|---|---|
| NEC Articles: | Article 800 |
| NEC/(UL) Compliance: | CMP |
| CEC/C(UL) Compliance: | CMP |

## Applicable Environmental and Other Programs

| | |
|---|---|
| Environmental Space: | Indoor - Plenum |
| EU Directive 2000/53/EC (ELV): | Yes |
| EU Directive 2003/96/EC (BFR): | Yes |
| EU Directive 2011/65/EU (ROHS II): | Yes |
| EU Directive 2012/19/EU (WEEE): | Yes |
| EU Directive Compliance: | EU Directive 2003/11/EC (BFR) |
| EU CE Mark: | Yes |
| EU RoHS Compliance Date (yyyy-mm-dd): | 2005-04-01 |
| MII Order #39 (China RoHS): | Yes |

## Flammability, LS0H, Toxicity Testing

| | |
|---|---|
| C(UL) Flammability: | FT6 |
| UL Flammability: | NFPA 262 |
| UL voltage rating: | 300 V RMS |

## Plenum/Non-Plenum

| | |
|---|---|
| Plenum (Y/N): | Yes |

## Part Number

**Variants**

| Item # | Color | Putup Type | Length | UPC |
|---|---|---|---|---|
| 6302FC 8771000 | Natural | Reel | 1,000 ft | 612825175414 |

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

## History

| | |
|---|---|
| Update and Revision: | Revision Number: 0.276 Revision Date: 06-24-2020 |

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