



Product: [6300FC](#)

Security & Sound, 2 Conductor 18 AWG BC, Shielded, Plenum



Product Description

Security, Pro Audio & Intercom Cable, 2 Conductor 18 AWG stranded (7x26) bare copper conductors with FEP insulation, Beldfoil® shield, Plenum, Flammarrest® jacket with ripcord.

Technical Specifications

Product Overview

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

Construction Details

Conductor

| Element | Number of Element | Size | Stranding | Material |
|--------------|-------------------|--------|-----------|------------------|
| Conductor(s) | 2 | 18 AWG | 7x26 | BC - Bare Copper |

Insulation

| Element | Material | Nom. Thickness | Nom. Insulation Diameter | Color Code |
|--------------|--------------------------------------|--------------------|--------------------------|------------|
| Conductor(s) | FEP - Fluorinated Ethylene Propylene | 0.006 in (0.15 mm) | 0.059 in (1.5 mm) | Black, Red |

Outer Shield

| Shield Type | Material | Coverage | Drainwire Type |
|-------------|-------------------------|----------|------------------|
| Tape | Bi-Laminate (Alum+Poly) | 100% | 20 AWG (7x28) TC |

Outer Jacket

| Material | Nom. Thickness | Nom. Diameter | Ripcord |
|--------------------------|----------------------|---------------|---------|
| PVC - Polyvinyl Chloride | 0.0165 in (0.419 mm) | 0.155 in | Yes |

| | |
|-----------------------------------|----------|
| Overall Cable Diameter (Nominal): | 0.155 in |
|-----------------------------------|----------|

Electrical Characteristics

Electricals

| Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Nom. Characteristic Impedence | Nom. Velocity of Prop. | Max. Current |
|--------------------|-------------------------------|---|-------------------------------|------------------------|------------------------------|
| 6.5 Ohm/1000ft | 57 pF/ft (190 pF/m) | 102.6 pF/ft (336.6 pF/m) | 29 Ohm | 69% | 5 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. |
|-------------------|-------------------|
| 1.55 in (39.4 mm) | 1.55 in |

| | |
|--------------------|----------------|
| Max. Pull Tension: | 57 lbs (26 kg) |
| Bulk Cable Weight: | 20 lbs/1000ft |

Standards and Compliance

| | |
|----------------------------------|--|
| Environmental Suitability: | Indoor - Plenum, Indoor |
| Flammability / Reaction to Fire: | NFPA 262 (UL 910), FT6 |
| NEC / UL Compliance: | Article 800, CMP |
| CEC / C(UL) Compliance: | CMP |
| 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) |

History

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|----------------------|--|
| Update and Revision: | Revision Number: 0.376 Revision Date: 12-20-2022 |
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Part Numbers

Variants

| Item # | Color | Putup Type | Length | UPC |
|-----------------|---------|------------|----------|--------------|
| 6300FC 8771000 | Natural | Reel | 1,000 ft | 612825174660 |
| 6300FC 877U1000 | Natural | UnReel | 1,000 ft | 612825350569 |

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