


Product: [6342PC](#) 

Security & Sound, 3 Pair 18 AWG, BC, Individually Shielded, CMP



Product Description

Security, Pro Audio & Intercom Cable, Plenum-CMP, 3-18 AWG stranded bare copper pairs with FEP insulation, Individually Beldfoil® shielded and Flamarest® jacket

Technical Specifications

Construction Details

Conductor

| Element | Number of Element | Size | Stranding | Material |
|---------|-------------------|--------|-----------|------------------|
| Pair(s) | 3 | 18 AWG | 7x26 | BC - Bare Copper |

Insulation

| Element | Material | Nom. Thickness | Nom. Insulation Diameter | Color Code |
|---------|--------------------------------------|-------------------|--------------------------|---|
| Pair(s) | FEP - Fluorinated Ethylene Propylene | 0.01 in (0.25 mm) | 0.066 in (1.7 mm) | Black & Red, Black & White, Black & Green |

Inner Shield

| Shield Type | Material | Coverage | Drainwire Type |
|-------------|-------------------------|----------|------------------|
| Tape | Bi-Laminate (Alum+Poly) | 100% | 24 AWG (7x32) TC |

Outer Shield

| Material |
|-----------|
| No Shield |

Outer Jacket

| Material | Nom. Thickness | Nom. Diameter | Ripcord |
|--------------------------|----------------------|---------------|---------|
| PVC - Polyvinyl Chloride | 0.0165 in (0.419 mm) | 0.3 in | Yes |

Overall Cable Diameter (Nominal): 0.300 in

Electrical Characteristics

Electricals

| Nom. Conductor DCR | Nom. Inner Shield DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Max. Current |
|--------------------|-------------------------------|-------------------------------|---|--------------------------------|
| 6.93 Ohm/1000ft | 14.4 Ohm/1000ft (47.2 Ohm/km) | 44 pF/ft (140 pF/m) | 79.2 pF/ft (260 pF/m) | 9.8 Amps per Conductor at 30°C |

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. |
|-----------------|-------------------|
| | |

| | |
|--------------|------|
| 3 in (76 mm) | 3 in |
|--------------|------|

| | |
|--------------------|----------------------|
| Max. Pull Tension: | 139.9 lbs (63.46 kg) |
| Bulk Cable Weight: | 58 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

| | |
|----------------------|--|
| Update and Revision: | Revision Number: 0.370 Revision Date: 04-08-2022 |
|----------------------|--|

Part Numbers

Variants

| Item # | Color | Putup Type | Length | UPC |
|----------------|---------|------------|----------|--------------|
| 6342PC 8771000 | Natural | Reel | 1,000 ft | 612825176404 |

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