



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

| | |
|------------------------|--|
| Product Category: | Security Alarm & Sound |
| Suitable Applications: | Security System, Intercom/PA, Audio/Speaker, Noisy Environment |

Construction Details

Conductor

| Element | Number of Element | AWG | Stranding | Material |
|--------------|-------------------|-----|-----------|------------------|
| Conductor(s) | 4 | 18 | 7x26 | BC - Bare Copper |

Insulation

| Element | Material | Thickness [in] | Color |
|--------------|---|----------------|--------------------------|
| Conductor(s) | PVC-LS - Polyvinyl Chloride (Low Smoke) | 0.009 | Black, Red, White, Green |

Outer Shield Material

| Type | Material | Coverage |
|------|-------------|----------|
| Tape | Alum / Poly | 100% |

Outer Jacket Material

| Material | Nominal Wall Thickness | Nominal Diameter | Ripcord |
|---|------------------------|------------------|---------|
| PVC-LS - Polyvinyl Chloride (Low Smoke) | 0.015 in | 0.188 in | Yes |

Electrical Characteristics

Electricals

| Element | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Grnd | Max. Current |
|--------------|--------------------|-------------------------------|-------------------------------|--|
| Conductor(s) | 6.5 Ohm/1000ft | 42 pF/ft | 76 pF/ft | Per conductor @ 25°C (10C temperature rise): 4 A |

Voltage

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

Mechanical Characteristics

Temperature

| UL Rating | Operating |
|-----------|--------------|
| 75°C | 0°C to +75°C |

Bend Radius

| Stationary Min. |
|-----------------|
| |

1.875 in

Max Recommended Pulling Tension: 82 lbs

Standards and Compliance

| | |
|---------------------------------|---|
| Environmental Suitability: | Indoor |
| Sustainability: | CA Prop 65 (CJ for Wire and Cable)=Yes |
| Flammability / Fire Resistance: | NFPA 262 Plenum Flame Test, FT6, IEC 60332-1-2 |
| NEC / UL Compliance: | 800, CMP |
| CEC / C(UL) Compliance: | CMP |
| CPR Euroclass: | Eca |
| European Directive Compliance: | EU CE Mark, EU Directive 2015/863/EU, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE) |
| APAC Compliance: | China RoHS 2 |

History

Update and Revision: Revision Number: 0.247 Revision Date: 05-22-2020

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