




Product: [6304FE](#) 

Security & Sound, #18-6c, BC, Shielded, CMP

Product Description

Security & Sound Cable, Plenum-CMP, 6-18 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, Power-Limited Controls, Noisy Environment |
|------------------------|--|

Construction Details

Conductor

| Element | Number of Element | AWG | Stranding | Material |
|--------------|-------------------|-----|-----------|------------------|
| Conductor(s) | 6 | 18 | 7x26 | BC - Bare Copper |

Insulation

| Element | Material | Thickness | Color Code |
|--------------|--------------------------|-----------|---------------------------------------|
| Conductor(s) | PVC - Polyvinyl Chloride | 0.009 in | Black, Red, White, Green, Brown, Blue |

Outer Shield Material

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

Outer Jacket Material

| Material | Thickness | Nom. Diameter | Ripcord |
|--------------------------|-----------|---------------|---------|
| PVC - Polyvinyl Chloride | 0.015 in | 0.226 in | Yes |

| | |
|---------------------------|----------|
| Cable Diameter (Nominal): | 0.226 in |
|---------------------------|----------|

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 | 76 pF/ft | 3.5 Amps per conductor @ 25°C |
| Nom Outer Shield DCR: | 14.4 Ohm/1000ft | | | |

Voltage

| UL Voltage Rating |
|-------------------|
| 300 V (CMP) |

Mechanical Characteristics

Temperature

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

Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
| 2.25 in | 2.3 in |

| | |
|--------------------|---------------|
| Max. Pull Tension: | 148 lbs |
| Bulk Cable Weight: | 46 lbs/1000ft |

Standards and Compliance

| | |
|---------------------------------|---|
| Environmental Suitability: | Indoor - Plenum, Indoor |
| Flammability / Fire Resistance: | NFPA 262, UL 910 (Plenum), IEC 60332-1-2 |
| NEC / UL Compliance: | Article 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 II (GB/T 26572-2011) |
| Non-Plenum Number: | 5304FE |

History

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| Update and Revision: | Revision Number: 0.289 Revision Date: 09-30-2020 |
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