




Product: [6345FE](#) 

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

Product Description

Security & Sound Cable, Plenum-CMP, 6-18 AWG stranded bare copper pairs 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 |
|------------------------|--|

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material | No. of Pairs |
|-----|-----------|------------------|--------------|
| 18 | 7x26 | BC - Bare Copper | 6 |

| | |
|------------------|----|
| Conductor Count: | 12 |
|------------------|----|

Insulation

| Material | Material Trade Name | Nominal Wall Thickness |
|--------------------------|---------------------|------------------------|
| PVC - Polyvinyl Chloride | Flamarrest® | 0.009 in |

Color Chart

| Number | Color |
|--------|----------------|
| 1 | Black & Red |
| 2 | Black & White |
| 3 | Black & Green |
| 4 | Black & Blue |
| 5 | Black & Yellow |
| 6 | Black & Brown |

Outer Shield Material

| Type | Material | Material Trade Name | Coverage [%] | Drainwire Material | Drainwire AWG | Drainwire Construction n x D |
|------|-------------------------|---------------------|--------------|--------------------|---------------|------------------------------|
| Tape | Bi-Laminate (Alum+Poly) | Beldfoil® | 100% | TC - Tinned Copper | 24 | 7x32 |

Outer Jacket Material

| Material | Material Trade Name | Nominal Diameter | Nominal Wall Thickness | Ripcord |
|--------------------------|---------------------|------------------|------------------------|---------|
| PVC - Polyvinyl Chloride | Flamarrest® | 0.357 in | 0.017 in | Yes |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR | Nominal Outer Shield DCR |
|-----------------------|--------------------------|
| 6.55 Ohm/1000ft | 12.6 Ohm/1000ft |

Capacitance

| Nom. Capacitance Conductor to Conductor | Nom. Capacitance Conductor to Other Conductor to Shield |
|---|---|
| 40 pF/ft | 72 pF/ft |

Current

Max. Recommended Current [A]

3.5 Amps per Conductor at 25°C

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: | 93.3 lbs/1000ft |
| Max. Pull Tension: | 282.8 lbs |
| Min Bend Radius/Minor Axis: | 3.5 in |

Standards

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

Applicable Environmental and Other Programs

| | |
|---------------------------------------|-------------------------------|
| 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 Plenum Flame Test (UL910) |
| UL voltage rating: | 300 V RMS |

Plenum/Non-Plenum

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

Part Number

| | |
|--------------------|--------|
| Non-Plenum Number: | 5345FE |
|--------------------|--------|

Variants

| Item # | Color | UPC |
|----------------|---------|--------------|
| 6345FE 8771000 | Natural | 612825176459 |
| 6345FE 877500 | Natural | 612825176466 |

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

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| Update and Revision: | Revision Number: 0.237 Revision Date: 02-16-2021 |
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