




Product: [6000FE](#) 

Security & Sound, 2 Conductor 12 AWG, BC, O/A Foil, CL2P

Product Description

Security & Sound Cable , Plenum-CL2P, 2-12 AWG stranded bare copper conductors with Flamarrest® insulation, Beldfoil® shield and Flamarrest® jacket with ripcord

Technical Specifications

Product Overview

| | |
|------------------------|--|
| Environmental Space: | Indoor - Plenum |
| Suitable Applications: | Intercom/PA Systems, Sound/Audio Systems |

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material | No. of Conductors |
|-----|-----------|------------------|-------------------|
| 12 | 19x25 | BC - Bare Copper | 2 |

| | |
|------------------|---|
| Conductor Count: | 2 |
|------------------|---|

Insulation

| Material | Material Trade Name | Nominal Wall Thickness |
|---------------------------------------|---------------------|------------------------|
| LS PVC - Low Smoke Polyvinyl Chloride | Flamarrest® | 0.011 in |

Color Chart

| Number | Color |
|--------|-------|
| 1 | Black |
| 2 | White |

Outer Shield Material

| Type | Material | Material Trade Name | Coverage [%] | Drainwire Material | Drainwire AWG | Drainwire Construction n x D |
|------|--------------------|---------------------|--------------|--------------------|---------------|------------------------------|
| Tape | Aluminum/Polyester | Beldfoil® | 100 % | TC - Tinned Copper | 20 | Solid |

Outer Jacket Material

| Material | Material Trade Name | Nominal Diameter | Nominal Wall Thickness | Ripcord |
|---------------------------------------|---------------------|------------------|------------------------|---------|
| LS PVC - Low Smoke Polyvinyl Chloride | Flamarrest® | 0.26 in | 0.015 in | Yes |

Construction and Dimensions

Cabling

| Twists |
|--------------|
| 3.4 twist/ft |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR | Nominal Outer Shield DCR |
|-----------------------|--------------------------|
| 1.6 Ohm/1000ft | 7.2 Ohm/1000ft |

Capacitance

| Nom. Capacitance Conductor to Conductor | Nom. Capacitance Conductor to Other Conductor to Shield |
|---|---|
| 97 pF/ft | 174.6 pF/ft |

Inductance

| Nominal Inductance |
|--------------------|
| 0.14 µH/ft |

Current

| Element | Max. Recommended Current [A] |
|----------------------|--------------------------------|
| 10C Temperature Rise | 12 Amps per conductor @ 25°C A |

| | |
|---------------------|----------------------|
| Current Table Note: | 10C Temperature Rise |
|---------------------|----------------------|

Voltage

| UL Voltage Rating |
|-------------------|
| 150 V RMS |

Temperature Range

| | |
|-----------------|------|
| UL Temp Rating: | 75°C |
|-----------------|------|

Mechanical Characteristics

| | |
|----------------------------------|-----------------|
| Bulk Cable Weight: | 63.9 lbs/1000ft |
| Max Recommended Pulling Tension: | 182.4 lbs |
| Min Bend Radius/Minor Axis: | 2.6 in |

Standards

| | |
|-------------------------|------|
| NEC Articles: | 725 |
| NEC/(UL) Specification: | CL2P |
| CPR Euroclass: | Eca |

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 |

Suitability

| | |
|-----------------------|-----|
| Suitability - Indoor: | Yes |
|-----------------------|-----|

Flammability, LS0H, Toxicity Testing

| | |
|-----------------------|---------------|
| UL Flammability: | NFPA 262 |
| ISO/IEC Flammability: | IEC 60332-1-2 |
| UL voltage rating: | 150 V RMS |

Plenum/Non-Plenum

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

Part Number

| | |
|--------------------|--------|
| Non-Plenum Number: | 5000FE |
|--------------------|--------|

Variants

| Item # | Color | UPC | Length | Footnote |
|----------------|---------|--------------|----------|----------|
| 6000FE 8771000 | Natural | 612825433491 | 1,000 ft | C |

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

History

| | |
|----------------------|--|
| Update and Revision: | Revision Number: 0.288 Revision Date: 01-31-2020 |
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