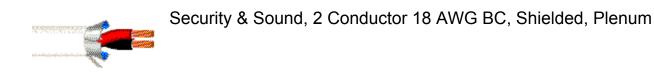


Part Number: 6300FC



Product Description

Security, Pro Audio & Intercom Cable, 2 Conductor 18 AWG stranded (7x26) bare copper conductors with FEP insulation, Beldfoil® shield, Plenum, Flamarrest® jacket with ripcord.

Technical Specifications

Product Overview

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

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material | No. of Conductors |
|-------|--------------|------------------|-------------------|
| 18 | 7x26 | BC - Bare Copper | 2 |
| Condu | uctor Count: | | |
| Condu | uctor Size: | | |

Insulation

| Material | Nominal Wall Thicknes |
|--------------------------------------|-----------------------|
| FEP - Fluorinated Ethylene Propylene | 0.006 in |

Color Chart

| Number | Color |
|--------|-------|
| 1 | Black |
| 2 | Red |

Outer Shield Material

| Туре | Material | Material Trade Name | Coverage [%] | Drainwire Material | Drainwire AWG | Drainwire Construction n x D |
|------|--|---------------------|--------------|--------------------|---------------|------------------------------|
| Таре | Aluminum Foil-Polyester Tape w/Shorting Fold | Beldfoil® | 100 % | TC - Tinned Copper | 20 | 7x28 mm |

Outer Jacket Material

| Material | Material Trade Name | Nominal Diameter | Nominal Wall Thickness | Ripcord |
|---------------------------------------|---------------------|------------------|------------------------|---------|
| LS PVC - Low Smoke Polyvinyl Chloride | Flamarrest® | 0.155 in | 0.0165 in | Yes |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR | Nominal Outer Shield DCR |
|-----------------------|--------------------------|
| 6.5 Ohm/1000ft | 7.3 Ohm/1000ft |

Capacitance

| Nom. Capacitance Conductor to Conductor | Nom. Capacitance Conductor to Other Conductor to Shield | |
|---|---|---------------------------|
| 57 pF/ft | 102.6 pF/ft | |
| Shielding: | | Foil(s) or Copper Tape(s) |

Inductance

| Nominal Inductance |
|--------------------|
| 0.15 µH/ft |

Impedance

Nominal Characteristic Impedance

29 Ohm

Delay

 Nominal Delay
 Nominal Velocity of Propagation (VP) [%]

 1.47 ns/ft
 62 %

Current

Max. Recommended Current [A]

5 Amps per conductor @ 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: | 19.5 lbs/1000ft |
|----------------------------------|-----------------|
| Max Recommended Pulling Tension: | 57 lbs |
| Min Bend Radius/Minor Axis: | 1.6 in |

Standards

| NEC Articles: | 800 |
|--------------------------|-----|
| NEC/(UL) Specification: | CMP |
| CEC/C(UL) Specification: | 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 |
| CA Prop 65 (CJ for Wire & Cable): | Yes |
| MII Order #39 (China RoHS): | Yes |

Flammability, LS0H, Toxicity Testing

| C(UL) Flammability: | FT6 |
|---------------------|-----------|
| UL Flammability: | NFPA 262 |
| UL voltage rating: | 300 V RMS |

Plenum/Non-Plenum

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

Part Number

| Variants | | |
|-----------------|---------|----------|
| Item # | Color | Footnote |
| 6300FC 8771000 | Natural | С |
| 6300FC 877U1000 | Natural | |
| Footnote: | | |

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