



Product: [6300FH](#)

Security & Sound, 2 Conductor 18 AWG, TC, Shielded, Plenum

Product Description

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

Technical Specifications

Product Overview

| | |
|------------------------|------------------------------------------------------------------------------------|
| Suitable Applications: | Security Systems, Intercom/PA Systems, Sound/Audio Systems, Power Limited Controls |
|------------------------|------------------------------------------------------------------------------------|

Construction Details

Conductor

| Element | No. of Elements | Size | Stranding | Material |
|---------|-----------------|--------|-----------|--------------------|
| Pair(s) | 1 | 18 AWG | 7x26 | TC - Tinned Copper |

Insulation

| Element | Material | Nom. Thickness | Nom. Insulation Diameter | Color Code |
|---------|--------------------------|--------------------|--------------------------|---------------|
| Pair(s) | PVC - Polyvinyl Chloride | 0.009 in (0.23 mm) | 0.064 in (1.6 mm) | Black and Red |

Outer Shield

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

Outer Jacket

| Material | Nom. Thickness | Nom. Diameter | Ripcord |
|--------------------------|--------------------|---------------|---------|
| PVC - Polyvinyl Chloride | 0.015 in (0.38 mm) | 0.162 in | Yes |

| | |
|-----------------------------------|----------|
| Overall Cable Diameter (Nominal): | 0.162 in |
|-----------------------------------|----------|

Electrical Characteristics

Electricals

| Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Max. Current |
|--------------------|-------------------------------|-------------------------------------------------|------------------------------|
| 6.4 Ohm/1000ft | 70 pF/ft (230 pF/m) | 126 pF/ft (413 pF/m) | 5 Amps per Conductor at 25°C |

Voltage

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

Mechanical Characteristics

Temperature

| UL Temperature | Operating |
|----------------|----------------|
| 75°C | -20°C To +75°C |

Bend Radius

| Stationary Min. | Installation Min. |
|-------------------|-------------------|
| 1.62 in (41.1 mm) | 1.62 in |

| | |
|--------------------|----------------|
| Max. Pull Tension: | 50 lbs (23 kg) |
| Bulk Cable Weight: | 19 lbs/1000ft |

Standards and Compliance

| | |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Environmental Suitability: | Indoor - Plenum, Indoor |
| Flammability / Reaction to Fire: | NFPA 262 (UL 910), FT6 |
| NEC / UL Compliance: | Article 800, CMP |
| CEC / C(UL) Compliance: | CMP |
| European Directive Compliance: | EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE) |
| APAC Compliance: | China RoHS II (GB/T 26572-2011) |
| Non-Plenum Number: | 5300FH |

History

| | |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.147 Revision Date: 12-20-2022 |
|----------------------|--------------------------------------------------|

Part Numbers

Variants

| Item # | Color | Putup Type | Length | UPC |
|-----------------|---------|------------|----------|--------------|
| 6300FH 010U1000 | Black | UnReel | 1,000 ft | 612825174813 |
| 6300FH 008U1000 | Gray | UnReel | 1,000 ft | 612825174783 |
| 6300FH 877500 | Natural | Reel | 500 ft | 612825174806 |
| 6300FH 8771000 | Natural | Reel | 1,000 ft | 612825174820 |
| 6300FH 877U1000 | Natural | UnReel | 1,000 ft | 612825350484 |
| 6300FH 009U1000 | White | UnReel | 1,000 ft | 612825174790 |

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