



Part Number: 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

Environmental Space:	Indoor - Plenum
Suitable Applications:	Security Systems, Intercom/PA Systems, Sound/Audio Systems, Power Limited Controls

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors
18	7x26	TC - Tinned Copper	2

Conductor Count:	2
Conductor Size:	18 AWG

Insulation

Material	Material Trade Name	Nominal Diameter	Nominal Wall Thickness
LS PVC - Low Smoke Polyvinyl Chloride	Flamarrest®	0.064 in	0.009 in

Color Chart

Number	Color
1	Black
2	Red

Outer Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG
Tape	Aluminum/Polyester	Beldfoil®	100 %	TC - Tinned Copper	24

Outer Jacket Material

Material	Nominal Wall Thickness
LS PVC - Low Smoke Polyvinyl Chloride	0.015 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
6.4 Ohm/1000ft	15.9 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
70 pF/ft	126 pF/ft

Shielding:	Foil(s) or Copper Tape(s)
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Inductance

Nominal Inductance
0.15 µH/ft

Current

Max. Recommended Current [A]

Per conductor @ 25°C ambient: 5 A

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:	22 lbs/1000ft
Max Recommended Pulling Tension:	57 lbs
Min Bend Radius/Minor Axis:	1.750 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 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	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

Suitability

Suitability - Aerial:	No
Suitability - Burial:	No
Suitability - Hazardous Locations:	No
Suitability - Indoor:	Yes
Suitability - Outdoor:	No
Suitability - Sunlight Resistance:	No

Flammability, LSOH, Toxicity Testing

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

Plenum/Non-Plenum

Plenum (Y/N):	Yes
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Part Number

Non-Plenum Number:	5300FH
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Variants

Item #	Color
6300FH 010U1000	Black
6300FH 008U1000	Gray
6300FH 8771000	Natural
6300FH 877500	Natural
6300FH 877U1000	Natural
6300FH 009U1000	White

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