



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
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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
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Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Inductance	Max. Current
6.4 Ohm/1000ft	70 pF/ft (230 pF/m)	126 pF/ft (413 pF/m)	0.15 µH/ft (0.49 µH/m)	5 Amps per Conductor at 25°C

Nom Outer Shield DCR@Cond DCR1-cnvt:	18.5 Ohm/1000ft (60.7 Ohm/km)
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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: 0.151 Revision Date: 09-07-2025
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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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