



Product: [5301FH](#)

Security & Sound, 3 Conductor 18 AWG, TC, CMR

Product Description

Security & Commercial Audio Cable, 3 Conductor 18 AWG stranded (7x26) tinned copper conductors with polyolefin insulation, Beldfoil® shield and PVC jacket with ripcord, Riser rated.

Technical Specifications

Product Overview

Suitable Applications:	Intercom/PA Systems, Sound/Audio Systems
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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Conductors
18	7x26	TC - Tinned Copper	.048 in	3

Conductor Count:	3
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Insulation

Material	Nominal Diameter
PP - Polypropylene	.062 in

Color Chart

Number	Color
1	Black
2	Red
3	White

Outer Shield

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire Diameter	Drainwire AWG
Tape	Bi-Laminate (Alum+Poly)	Beldfoil®	100%	TC - Tinned Copper	0.020 in	24

Outer Jacket

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.171 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
6.5 Ohm/1000ft	16.9 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
36 pF/ft	64.75 pF/ft

Current

Max. Recommended Current [A]
5 Amps per Conductor at 25°C

Voltage

UL Voltage Rating
300 V RMS

Temperature Range

UL Temp Rating:	75°C
Operating Temperature Range:	-5°C To +75°C

Mechanical Characteristics

Bulk Cable Weight:	26 lbs/1000ft
Max. Pull Tension:	58 lbs
Min. Bend Radius/Minor Axis:	1.7 in

Standards

NEC/(UL) Compliance:	CMR
CEC/C(UL) Compliance:	CMG

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/11/EC (BFR):	Yes
EU Directive 2011/65/EU (RoHS 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive Compliance:	Yes

Suitability

Suitability - Burial:	No
Suitability - Hazardous Locations:	No
Suitability - Indoor:	Yes

Flammability, LS0H, Toxicity Testing

C(UL) Flammability:	FT4
UL Flammability:	UL 1666 Vertical Riser

Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	6301FH

Related Part Numbers

Variants

Item #	Color	Put-Up Type	Length	UPC
5301FH 008500	Gray	Reel	500 ft	612825159445
5301FH 0081000	Gray	Reel	1,000 ft	612825159469
5301FH 008U1000	Gray	UnReel	1,000 ft	612825159483

Product Notes

Notes:	Ripcord under jacket
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History

Update and Revision:	Revision Number: 0.53 Revision Date: 04-08-2022
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