



Product: [5400FH](#)

Security & Sound, 2 Conductor 20 AWG, TC, CMR

Product Description

Security & Commercial Audio Cable, 2 Conductor 20 AWG stranded (7x28) 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
20	7x28	TC - Tinned Copper	0.036 in	2

Conductor Count:	2
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Insulation

Material	Nominal Diameter
PP - Polypropylene	0.052 in

Color Chart

Number	Color
1	Black
2	Red

Outer Shield

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire Diameter	Drainwire AWG
Tape	Bi-Laminate (Alum+Poly)	Beldfoil®	100%	TC - Tinned Copper	.020 in	24

Outer Jacket

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.142 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
10.3 Ohm/1000ft	16.7 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
40 pF/ft	72 pF/ft

Inductance

Nominal Inductance
0.155 µH/ft

Current

Max. Recommended Current [A]
3.75 Amps per Conductor at 25°C (10°C Temperature Rise)

Voltage

UL Voltage Rating
300 V RMS

Temperature Range

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

Mechanical Characteristics

Bulk Cable Weight:	13 lbs/1000ft
Max. Pull Tension:	26 lbs
Min. Bend Radius/Minor Axis:	1.40 in

Standards

NEC Articles:	Article 800
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 2015/863/EU (RoHS 2 amendment):	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:	UL1666 Vertical Shaft

Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	6400FH

Part Number

Variants

Item #	Color	Put-Up Type	Length	UPC
5400FH 0081000	Gray	Reel	1,000 ft	612825161950
5400FH 008U1000	Gray	UnReel	1,000 ft	612825161998

Product Notes

Notes:	Print legend includes sequential footage marks. Rip cord under jacket.
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History

Update and Revision:	Revision Number: 0.116 Revision Date: 08-27-2021
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