


Product: [6401UE](#) 



Security & Sound, 3 Conductor 20 AWG, BC, Unshielded, CMP

Product Description

Security & Commercial Audio Cable, Plenum-CMP 3-20 AWG stranded bare copper conductors with Flamarrest® insulation, Flamarrest® jacket with ripcord

Technical Specifications

Product Overview

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

Conductor

AWG	Stranding	Material	No. of Conductors
20	7x28	BC - Bare Copper	3

Conductor Count:	3
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Insulation

Material	Material Trade Name	Nominal Wall Thickness
PVC - Polyvinyl Chloride	Flamarrest®	0.009 in

Color Chart

Number	Color
1	Black
2	Red
3	White

Outer Shield Material

Material
No Shield

Outer Jacket Material

Material	Material Trade Name	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	Flamarrest®	0.146 in	0.015 in	Yes

Construction and Dimensions

Cabling

Twists
4.4 twist/ft

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
10.2 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor

27 pF/ft

Current**Max. Recommended Current [A]**

3.75 Amps per Conductor at 25°C

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:	16.4 lbs/1000ft
Max. Pull Tension:	37.8 lbs
Min Bend Radius/Minor Axis:	1.5 in

Standards

NEC Articles:	Article 800
NEC/(UL) Compliance:	CMP
CEC/C(UL) Compliance:	CMP

Applicable Environmental and Other Programs

Environmental Space:	Indoor - Plenum
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
MII Order #39 (China RoHS):	Yes

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:	5401UE
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Variants

Item #	Color	Putup Type	Length	UPC
6401UE 8771000	Natural	Reel	1,000 ft	612825176718
6401UE 877U1000	Natural	UnReel	1,000 ft	612825176725
6401UE 8775000	Natural	Reel	5,000 ft	612825176695

History

Update and Revision:	Revision Number: 0.265 Revision Date: 06-24-2020
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