



Product: [6545UE](#)

Security & Sound, #22-6pr, BC, CMP

Product Description

Security & Sound Cable, Plenum-CMP 6-22 AWG stranded bare copper pairs with Flamarrest® insulation, Flamarrest® jacket with ripcord

Technical Specifications

Product Overview

Suitable Applications:	Security System, Intercom/PA, Audio/Speaker, Power-Limited Controls
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Physical Characteristics (Overall)

Conductor			
AWG	Stranding	Material	No. of Pairs
22	7x30	BC - Bare Copper	6
Conductor Count:			12

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

Color Chart	
Color	
Black & Red	
Black & White	
Black & Green	
Black & Blue	
Black & Yellow	
Black & Brown	

Outer Shield	
Material	
No Shield	

Outer Jacket				
Material	Material Trade Name	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	Flamarrest®	0.264 in	0.015 in	Yes

Electrical Characteristics

Conductor DCR	
Nominal Conductor DCR	
16.3 Ohm/1000ft	

Capacitance	
Nom. Capacitance Conductor to Conductor	
25 pF/ft	

Inductance

Nominal Inductance
0.17 µH/ft

Current

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

Voltage

UL Voltage Rating
300 V RMS

Temperature Range

Operating Temperature Range:	0°C To +75°C
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Mechanical Characteristics

Bulk Cable Weight:	43 lbs/1000ft
Max. Pull Tension:	109.2 lbs
Min. Bend Radius/Minor Axis:	2.5 in

Standards

NEC/(UL) Compliance:	CMP
CEC/C(UL) Compliance:	CMP

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (RoHS 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
MII Order #39 (China RoHS):	Yes

Flammability, LS0H, Toxicity Testing

UL Flammability:	NFPA 262 Plenum Flame Test (UL910)
CSA Flammability:	FT6
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	Yes
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Related Part Numbers

Non-Plenum Number:	5545UE
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Variants

Item #	Color	UPC
6545UE 8771000	Natural	612825178453

Footnote:	C - CRATE REEL PUT-UP.
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History

Update and Revision:	Revision Number: 0.293 Revision Date: 05-31-2024
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