



Product: [6304UE](#)

Security & Sound, #18-6c, BC, CMP

**Product Description**  
Security & Sound Cable, Plenum-CMP, 6-18 AWG stranded bare copper conductors 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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**Construction Details**

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	6	18 AWG	7x26	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PVC - Polyvinyl Chloride	0.009 in (0.23 mm)	0.063 in (1.6 mm)	Black, Red, White, Green, Brown, Blue

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.015 in (0.38 mm)	0.216 in (5.49 mm)	Yes

Overall Cable Diameter (Nominal):	0.216 in (5.49 mm)
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**Electrical Characteristics**

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Max. Current
Conductor(s)	6.5 Ohm/1000ft	34 pF/ft (110 pF/m)	9.8 Amps per conductor @ 25°C

Voltage

UL Voltage Rating
300 V

**Mechanical Characteristics**

Temperature

UL Temperature	Operating
75°C	0°C to +75°C

Bend Radius

Stationary Min.	Installation Min.
2.2 in (56 mm)	2.2 in (56 mm)

Max. Pull Tension:	134 lbs (60.8 kg)
Bulk Cable Weight:	43 lbs/1000ft

**Standards and Compliance**

Environmental Suitability:	Indoor - Plenum, Indoor
Flammability / Reaction to Fire:	NFPA 262, UL 910 (Plenum), FT6, IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
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)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Non-Plenum Number:	5304UE

History

Update and Revision:	Revision Number: 0.438 Revision Date: 01-20-2023
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Part Numbers

Variants

Item #	Color	UPC	Footnote
6304UE 8771000	Natural	612825175520	C
6304UE 877U500	Natural	612825175513	
6304UE 877500	Natural	612825175537	

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