Belden



Product: 6300UE

Security & Sound, 2 Conductor 18 AWG BC, CMP

Product Description

Security & Commercial Audio Cable, Plenum-CMP, 2-18 AWG stranded (7x26) bare copper conductors with Flamarrest® insulation, Flamarrest® jacket with ripcord

Technical Specifications

Product Overview

Suitable Applications:	Intercom/PA Systems, Sound/Audio Systems

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	2	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

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.015 in (0.38 mm)	0.154 in (3.91 mm)	Yes

Overall Cable Diameter (Nominal):	0.154 in (3.91 mm)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Inductance	Max. Current
Conductor(s)	6.5 Ohm/1000ft	34 pF/ft (110 pF/m)	0.15 µH/ft (0.49 µH/m)	14 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.
1.5 in (38 mm)	1.5 in (38 mm)

Max. Pull Tension:	45 lbs (20 kg)
Bulk Cable Weight:	17 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:	5300UE

History

Update and Revision:	Revision Number: 0.512 Revision Date: 09-07-2025

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
6300UE 010U250	Black	UnReel	250 ft	612825174981	
6300UE 010U500	Black	UnReel	500 ft	612825421795	
6300UE 010Z500	Black	ReelTuff Box	500 ft	612825175018	
6300UE 0101000	Black	Reel	1,000 ft	612825175001	C
6300UE 010U1000	Black	UnReel	1,000 ft	612825174974	
6300UE 010Z1000	Black	ReelTuff Box	1,000 ft	612825435372	
6300UE 008U500	Gray	UnReel	500 ft	612825421771	
6300UE 0081000	Gray	Reel	1,000 ft	612825174882	C
6300UE 008U1000	Gray	UnReel	1,000 ft	612825174899	
6300UE 877500	Natural	Reel	500 ft	612825340218	
6300UE 8771000	Natural	Reel	1,000 ft	612825175049	C
6300UE 877U1000	Natural	UnReel	1,000 ft	612825175032	
6300UE 877Z1000	Natural	ReelTuff Box	1,000 ft	612825350477	
6300UE 0031000	Orange	Reel	1,000 ft	612825421733	C
6300UE 009U250	White	UnReel	250 ft	612825174943	
6300UE 009U500	White	UnReel	500 ft	612825421788	
6300UE 009Z500	White	ReelTuff Box	500 ft	612825174998	
6300UE 009U1000	White	UnReel	1,000 ft	612825174936	
6300UE 0091000	White	Reel	1,000 ft	612825174912	C
6300UE 009Z1000	White	ReelTuff Box	1,000 ft	612825445357	
6300UE 004U1000	Yellow	UnReel	1,000 ft	612825421740	

Footnote:	C - CRATE REEL PUT-UP.

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