Belden



Product: 6100UE

Security & Sound, 2 Conductor 14 AWG BC, CL2P

Product Description

Security & Commercial Audio Cable, Plenum-CL2P, 2-14 AWG stranded (19x27) 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	14 AWG	19x26	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PVC - Polyvinyl Chloride	0.010 in (0.25 mm)	0.090 in (2.3 mm)	Black, White

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.015 in (0.38 mm)	0.210 in (5.33 mm)	Yes

Overall Cable Diameter (Nominal):	0.210 in (5.33 mm)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Inductance	Max. Current
Conductor(s)	2.54 Ohm/1000ft (8.33 Ohm/km)	36 pF/ft (120 pF/m)	0.145 µH/ft (0.476 µH/m)	25 Amps per conductor @ 25°C

Voltage

UL Voltage Rating
300 V

Mechanical Characteristics

Temperature

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

Bend Radius

Stationary Min.	Installation Min.
2.1 in (53 mm)	2.1 in (53 mm)

Max. Pull Tension:	95 lbs (43 kg)
Bulk Cable Weight:	35 lbs/1000ft (52 kg/km)

Standards and Compliance

Environmental Suitability:	Indoor - Plenum, Indoor
Flammability / Reaction to Fire:	NFPA 262, UL 910 (Plenum), IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 725, Article 760, CL2P, FPLP
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:	5100UE

History

Update and Revision:	Revision Number: 0.678 Revision Date: 10-12-2026

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
6100UE 010500	Black	Reel	500 ft	612825173397	C
6100UE 010Z500	Black	ReelTuff Box	500 ft	612825173410	
6100UE 010U1000	Black	UnReel	1,000 ft	612825423423	
6100UE 010Z1000	Black	ReelTuff Box	1,000 ft	612825445371	
6100UE 008U1000	Gray	UnReel	1,000 ft	612825423409	
6100UE 008Z1000	Gray	ReelTuff Box	1,000 ft	612825173373	
6100UE 0081000	Gray	Reel	1,000 ft	612825173366	
6100UE 877500	Natural	Reel	500 ft	612825173427	
6100UE 8771000	Natural	Reel	1,000 ft	612825339519	C
6100UE 877U1000	Natural	UnReel	1,000 ft	612825423430	
6100UE 877Z1000	Natural	ReelTuff Box	1,000 ft	612825173434	
6100UE 8775000	Natural	Reel	5,000 ft	612825339502	
6100UE 009U250	White	UnReel	250 ft	612825377047	
6100UE 009U500	White	UnReel	500 ft	612825423416	
6100UE 009Z500	White	ReelTuff Box	500 ft	612825173403	
6100UE 009U1000	White	UnReel	1,000 ft	612825173380	
6100UE 009Z1000	White	ReelTuff Box	1,000 ft	612825445364	
6100UE 004U1000	Yellow	UnReel	1,000 ft	612825416616	

Footnote:	C - CRATE REEL PUT-UP.

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