Belden



Product: 6502UE

Security & Sound, #22-4c BC, CMP

Product Description

Security & Sound Cable, Plenum-CMP 4-22 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

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	4	22 AWG	7x30	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PVC - Polyvinyl Chloride	0.008 in (0.20 mm)	0.045 in (1.1 mm)	Black, Red, White, Green

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.015 in (0.38 mm)	0.139 in (3.53 mm)	Yes

Overall Cable Diameter (Nominal):	0.139 in (3.53 mm)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Max. Current
Conductor(s)	16.1 Ohm/1000ft	27 pF/ft (89 pF/m)	2.2 Amps per conductor @ 25°C

Nom Outer Shield DCR@Cond DCR1-cnv:	18.38 Ohm/1000ft (60.30 Ohm/km)

Voltage

UL Voltage Rating
300 V (CMP)

Mechanical Characteristics

Temperature

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

Bend Radius

Stationary Min.	Installation Min.
1.39 in (35.3 mm)	1.39 in (35.3 mm)

Max. Pull Tension:	36 lbs (16 kg)
Bulk Cable Weight:	15 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor - Plenum, Indoor
Flammability / Reaction to Fire:	NFPA 262, UL 910 (Plenum), FT6
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:	5502UE

History

Update and Revision:	Revision Number: 0.435 Revision Date: 09-07-2025

Part Numbers

Variants

Item #	Color	UPC	Footnote
6502UE 8771000	Natural	612825177753	C
6502UE 877500	Natural	612825177760	
6502UE 877C500	Natural	612825177722	
6502UE 877U1000	Natural	612825177739	
6502UE 877U500	Natural	612825177746	

Footnote:	C - CRATE REEL PUT-UP.

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