Belden



Product: 6506UE

Security & Sound, #22-8c, BC, CMP

Product Description

Security & Sound Cable, Plenum-CMP 8-22 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)	8	22	7x30	BC - Bare Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
PVC - Polyvinyl Chloride	0.009 in (0.23 mm)	0.047 in (1.2 mm)	Black, Red, White, Green, Brown, Blue, Orange, Yellow

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.015 in (0.38 mm)	0.186 in	Yes

Electrical Characteristics

Electricals

Nom. Conductor DCR	Max. Current
17.41 Ohm/1000ft	2 Amps per Conductor at 25ºC

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.
1.86 in (47.2 mm)	1.86 in

Max. Pull Tension:	72.8 lbs (33.0 kg)
Bulk Cable Weight:	29 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Outdoor

Flammability / Reaction to Fire:	NFPA 262 (UL910), FT6
NEC / UL Compliance:	Article 800, CMP
CEC / C(UL) Compliance:	CMP
European Directive Compliance:	EU CE Mark, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Non-Plenum Number:	5506UE

History

Update and Revision:	Revision Number: 0.302 Revision Date: 09-07-2025

Part Numbers

Variants

Item #	Color	UPC	Footnote
6506UE 8771000	Natural	612825178002	C
6506UE 877U1000	Natural	612825177982	
6506UE 877U500	Natural	612825177999	

Footnote:	C - CRATE REEL PUT-UP.

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