

Product: [6500PE](#)

Security & Sound, 2 Conductor 22 AWG, TC, CMP
Product Description

Security & Commercial Audio Cable, Plenum-CMP, 2-22 AWG stranded tinned copper pairs with Flamarrest® insulation, Beldfoil® shield and Flamarrest® jacket with ripcord

Technical Specifications
Product Overview

Suitable Applications:	Intercom/PA Systems and Sound/Audio Systems
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Construction Details
Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	2	22 AWG	7x30	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PVC - Polyvinyl Chloride	0.01 in (0.25 mm)	0.048 in (1.2 mm)	Black, Red

Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	24 AWG (7x32) TC

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.015 in (0.38 mm)	0.13 in	Yes

Overall Cable Diameter (Nominal): 0.13 in

Electrical Characteristics
Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Inductance	Max. Current
16.4 Ohm/1000ft	55 pF/ft (180 pF/m)	99 pF/ft (320 pF/m)	0.18 μ H/ft (0.59 μ H/m)	2.8 Amps per Conductor at 25°C
Nom Outer Shield DCR:				16.75 Ohm/1000ft (54.95 Ohm/km)

Voltage

UL Voltage Rating
300 V

Mechanical Characteristics
Temperature

UL Temperature	Operating
75°C	-20°C To +75°C

Bend Radius

Stationary Min.	Installation Min.

1.3 in (33 mm)

1.3 in

Max. Pull Tension: 24 lbs (11 kg)

Bulk Cable Weight: 11 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor - Plenum, Indoor
Flammability / Reaction to Fire:	NFPA 262 (UL 910), FT6
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)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

Product Notes

Notes: The jacket and shield are bonded so both can be removed on automatic stripping equipment. Drain wire is inside foil shield.

History

Update and Revision: Revision Number: 0.485 Revision Date: 09-07-2025

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC
6500PE 0101000	Black	Reel	1,000 ft	612825177425
6500PE 010U1000	Black	UnReel	1,000 ft	612825424017
6500PE 010Z1000	Black	ReelTuff Box	1,000 ft	612825434306
6500PE 009Z250	White	ReelTuff Box	250 ft	612825435433
6500PE 009500	White	Reel	500 ft	612825424000
6500PE 009Z500	White	ReelTuff Box	500 ft	612825439295
6500PE 009Z750	White	ReelTuff Box	750 ft	612825177432
6500PE 0091000	White	Reel	1,000 ft	612825377061
6500PE 009Z1000	White	ReelTuff Box	1,000 ft	612825439288

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