



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
------------------------	---

Construction Details

Conductor

Element	Number of Element	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)	Max. Current
16.4 Ohm/1000ft	55 pF/ft (180 pF/m)	99 pF/ft (320 pF/m)	2.8 Amps per Conductor at 25°C

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: 0.481 Revision Date: 05-01-2023
----------------------	--

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

© 2023 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.