



Product: [6504FE](#)

Security & Sound, #22-6c BC, Shielded, CMP

Product Description

Security & Sound Cable, Plenum-CMP, 6-22 AWG stranded bare copper conductors with Flamarrest® insulation, Beldfoil® shield and Flamarrest® jacket with ripcord

Technical Specifications

Product Overview

Suitable Applications:	Security System, Intercom/PA, Audio/Speaker, Power-Limited Controls, Noisy Environment
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Construction Details

Conductor

Element	Number of Element	Size	Stranding	Material
Conductor(s)	6	22 AWG	7x30	BC - Bare Copper

Insulation

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

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)	0.175 in (4.45 mm)	Yes

Overall Cable Diameter (Nominal): 0.175 in (4.45 mm)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
Conductor(s)	16.2 Ohm/1000ft	33 pF/ft (110 pF/m)	59 pF/ft (190 pF/m)	1.9 Amps per Conductor at 25°C

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.
1.75 in (44.5 mm)	1.75 in (44.5 mm)

Max. Pull Tension:	60 lbs (27 kg)
Bulk Cable Weight:	24 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:	5504FE

History

Update and Revision:	Revision Number: 0.425 Revision Date: 01-24-2023
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC
6504FE 877U250	Natural	UnReel	250 ft	612825177852
6504FE 877500	Natural	Reel	500 ft	612825177883
6504FE 877C500	Natural	Coil	500 ft	612825177838
6504FE 877U500	Natural	UnReel	500 ft	612825177869
6504FE 877Z500	Natural	ReelTuff Box	500 ft	
6504FE 8771000	Natural	Reel	1,000 ft	612825177876
6504FE 877U1000	Natural	UnReel	1,000 ft	612825177845
6504FE 877Z1000	Natural	ReelTuff Box	1,000 ft	612825423829
6504FE 0031000	Orange	Reel	1,000 ft	612825350729
6504FE 003U1000	Orange	UnReel	1,000 ft	612825350736
6504FE 003Z1000	Orange	ReelTuff Box	1,000 ft	612825423805
6504FE 0071000	Violet	Reel	1,000 ft	612825177821
6504FE 0041000	Yellow	Reel	1,000 ft	612825177814
6504FE 004U1000	Yellow	UnReel	1,000 ft	612825177807
6504FE 004Z1000	Yellow	ReelTuff Box	1,000 ft	612825423812

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