



**Product:** [6504FE](#)

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

## 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

Environmental Space:	Indoor (Not Riser or Plenum)
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### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	No. of Conductors
22	7x30	BC - Bare Copper	6

Conductor Count:	6
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#### Insulation

Material	Material Trade Name	Nominal Wall Thickness
PVC-LS - Polyvinyl Chloride (Low Smoke)	Flamarrest®	0.009 in

#### Color Chart

Color
Black
Red
White
Green
Brown
Blue

#### Outer Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Alum / Poly	Beldfoil®	100 %	TC - Tinned Copper	24	7x32

#### Outer Jacket Material

Material	Material Trade Name	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC-LS - Polyvinyl Chloride (Low Smoke)	Flamarrest®	0.175 in	0.015 in	Yes

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
16.2 Ohm/1000ft	15.3 Ohm/1000ft

#### Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
33 pF/ft	59 pF/ft

## Current

Element	Max. Recommended Current [A]
10C Temperature Rise	Per conductor @ 25°C ambient: 2 A

## Voltage

UL Voltage Rating
300 V RMS

## Temperature Range

UL Temp Rating:	75°C
Operating Temp Range:	0°C To +75°C

## Mechanical Characteristics

Bulk Cable Weight:	24.4 lbs/1000ft
Max Recommended Pulling Tension:	60.1 lbs
Min Bend Radius/Minor Axis:	1.8 in

## Standards

NEC Articles:	800
NEC/(UL) Specification:	CMP
CEC/C(UL) Specification:	CMP
CPR Euroclass:	Eca

## Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
MII Order #39 (China RoHS):	Yes

## Suitability

Suitability - Indoor:	Yes
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## Flammability, LS0H, Toxicity Testing

C(UL) Flammability:	FT6
UL Flammability:	NFPA 262
ISO/IEC Flammability:	IEC 60332-1-2
UL voltage rating:	300 V RMS

## Plenum/Non-Plenum

Plenum (Y/N):	Yes
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## Part Number

Non-Plenum Number:	5504FE
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## Variants

Item #	Color	UPC	Length	Footnote
6504FE 8771000	Natural	612825177876	1,000 ft	C
6504FE 877500	Natural	612825177883	500 ft	C
6504FE 877C500	Natural	612825177838	500 ft	
6504FE 877U1000	Natural	612825177845	1,000 ft	
6504FE 877U250	Natural	612825177852	250 ft	
6504FE 877U500	Natural	612825177869	500 ft	
6504FE 877Z1000	Natural	612825423829	1,000 ft	
6504FE 877Z500	Natural		500 ft	
6504FE 0031000	Orange	612825350729	1,000 ft	
6504FE 003U1000	Orange	612825350736	1,000 ft	

6504FE 003Z1000	Orange	612825423805	1,000 ft	
6504FE 0071000	Violet	612825177821	1,000 ft	
6504FE 0041000	Yellow	612825177814	1,000 ft	
6504FE 004U1000	Yellow	612825177807	1,000 ft	
6504FE 004Z1000	Yellow	612825423812	1,000 ft	

Footnote:	C - CRATE REEL PUT-UP.
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**History**

Update and Revision:	Revision Number: 0.200 Revision Date: 04-02-2020
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