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

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

Physical Characteristics (Overall)

Conductor

Element	AWG	Stranding	Material	No. of Conductors
Conductor(s)	22	7x30	BC - Bare Copper	6

Conductor Count:	6

Insulation

Element	Material	Material Trade Name	Nominal Wall Thickness
Conductor(s)	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

Environmental Space:	Indoor (Not Riser or Plenum)
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

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

Part Number

Non-Plenum Number:	5504FE

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

Footnote:	C - CRATE REEL PUT-UP.

History

Update and Revision:	Revision Number: 0.209 Revision Date: 05-11-2020