

Product: 6502FE

Security & Alarm Cable, Plenum-CMP, 4-22 AWG stranded bare copper conductors with Flamarrest® insulation, Beldfoil® shield and Flamarrest® jacket with ripcord

Product Description

Security & Sound Cable, Plenum-CMP, 4-22 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

Construction Details

Conductor

Element	Number of Element	Size	Stranding	Material
Conductor(s)	4	22 AWG	7x30	BC - Bare Copper

Insulation

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

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)	0.147 in (3.73 mm)	Yes

Overall Cable Diameter (Nominal):	0.147 in (3.73 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 (53.1 Ohm/km)	33 pF/ft (110 pF/m)	59 pF/ft (190 pF/m)	2.2 Amps per Conductor at 25ºC

Voltage

UL Voltage Rating
300 V

Mechanical Characteristics

Temperature

Operating
0°C to +75°C

Bend Radius

Stationary Min.	Installation Min.

4.6 in (120 mm)	4.6 in (120 mm)

Max. Pull Tension:	42 lbs (19 kg)
Bulk Cable Weight:	17 lbs/1000ft (25 kg/km)

Standards and Compliance

Environmental Suitability:	Indoor - Plenum, Indoor
Flammability / Reaction to Fire:	NFPA 262 Plenum Flame Test (UL910), FT6, IEC 60332-1-2
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)
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Non-Plenum Number:	5502FE

History

Update and Revision:	Revision Number: 0.304 Revision Date: 02-08-2022

Part Numbers

Variants

Item #	Color	UPC
6502FE 8771000	Natural	612825177609
6502FE 877500	Natural	612825177616
6502FE 877C500	Natural	
6502FE 877U1000	Natural	612825177593
6502FE 0071000	Violet	612825377726
6502FE 0071000	Violet	612825377726
6502FE 007U1000	Violet	612825377832
6502FE 007U1000	Violet	612825377832

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