



Product: [6547FE](#)

Security & Sound, #22-9pr, BC, Shielded, CMP

**Product Description**

Security & Sound Cable, Plenum-CMP, 9-22 AWG stranded bare copper pairs 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	No. of Elements	Size	Stranding	Material
Pair(s)	9	22 AWG	7x30	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PVC - Polyvinyl Chloride	0.009 in (0.23 mm)	0.047 in (1.2 mm)	Black & Red, Black & White, Black & Green, Black & Blue, Black & Yellow, Black & Brown, Black & Orange, Red & White, Red & 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	0.017 in (0.43 mm)	0.321 in	Yes

Overall Cable Diameter (Nominal):	0.321 in
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**Electrical Characteristics**

Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
17.6 Ohm/1000ft	33 pF/ft (110 pF/m)	59.4 pF/ft (195 pF/m)	4.2 Amps per Conductor at 30°C

Voltage

UL Voltage Rating
300 V

**Mechanical Characteristics**

Temperature

UL Temperature	Operating
75°C	0°C to +75°C

Bend Radius

Stationary Min.	Installation Min.
3.21 in (81.5 mm)	3.21 in

Max. Pull Tension:	163.8 lbs (74.30 kg)
Bulk Cable Weight:	65 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 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

History

Update and Revision:	Revision Number: 0.318 Revision Date: 05-31-2024
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Part Numbers

Variants

Item #	Color	UPC	Footnote
6547FE 8771000	Natural	612825178477	C

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