



Product: [6345FE](#) 

Security & Sound, #18-6pr, BC, Shielded, CMP

Product Description

Security & Sound Cable, Plenum-CMP, 6-18 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)	6	18	7x26	BC - Bare Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
PVC - Polyvinyl Chloride	0.009 in (0.23 mm)	0.063 in (1.6 mm)	Black & Red, Black & White, Black & Green, Black & Blue, Black & Yellow, Black & Brown

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)	0.357 in	Yes

Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
6.93 Ohm/1000ft	40 pF/ft (130 pF/m)	72 pF/ft (240 pF/m)	3.5 Amps per Conductor at 25°C
Nom Outer Shield DCR:		12.6 Ohm/1000ft (41.3 Ohm/km)	

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.
3.57 in (90.7 mm)	3.57 in

Max. Pull Tension:	274.3 lbs (124.4 kg)
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Bulk Cable Weight:	93.3 lbs/1000ft
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Standards and Compliance

Flammability / Reaction to Fire:	NFPA 262 (UL910), 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)
Non-Plenum Number:	5345FE

History

Update and Revision:	Revision Number: 0.318 Revision Date: 09-07-2025
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Part Numbers

Variants

Item #	Color	UPC	Footnote
6345FE 8771000	Natural	612825176459	C
6345FE 877500	Natural	612825176466	

Footnote:	C - CRATE REEL PUT-UP.
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