


Product: [5542FE](#)

Security & Sound, #22-3pr, BC, Shielded, CMR

Product Description

Security & Sound Cable, Riser-CMR, 3-22 AWG stranded bare copper pairs with polyolefin insulation, Beldfoil® shield and PVC 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)	3	22	7x30	BC - Bare Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
PO - Polyolefin	0.008 in (0.20 mm)	0.045 in (1.1 mm)	Black & Red, Black & White, Black & 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)	0.189 in (4.80 mm)	Yes

Electrical Characteristics
Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
17.6 Ohm/1000ft	24 pF/ft (79 pF/m)	43.25 pF/ft (141.9 pF/m)	2 Amps per Conductor at 25°C

Nom Outer Shield DCR: 14.4 Ohm/1000ft (47.2 Ohm/km)

Voltage

UL Voltage Rating
300 V

Mechanical Characteristics
Temperature

UL Temperature	Operating
75°C	-20°C To +75°C

Bend Radius

Stationary Min.	Installation Min.
1.89 in (48.0 mm)	1.89 in (48.0 mm)

Max. Pull Tension: 60 lbs (27 kg)

Bulk Cable Weight: 23 lbs/1000ft

Standards and Compliance

Flammability / Reaction to Fire:	UL 1666 riser, FT4
NEC / UL Compliance:	Article 800, CMR
CEC / C(UL) Compliance:	CMG
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)
Plenum Number:	6542FE

History

Update and Revision: Revision Number: 0.417 Revision Date: 09-07-2025

Part Numbers

Variants

Item #	Color	UPC
5542FE 0081000	Gray	612825164333
5542FE 008U1000	Gray	612825164326

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