



Product: [5500FE](#) 

Security & Sound, 2 Conductor 22 AWG, BC, Shielded, CMR

Product Description

Security & Sound Cable, Riser-CMR, 2-22 AWG stranded bare copper conductors with polypropylene insulation, Beldfoil® shield and PVC jacket with ripcord

Technical Specifications

Product Overview

Suitable Applications:	Security System, Intercom/PA, Audio/Speaker, Noisy Environment
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Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	2	22 AWG	7x30	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PP - Polypropylene	0.008 in (0.20 mm)	0.045 in (1.1 mm)	Black, Red

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)	0.126 in (3.20 mm)	Yes

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
Conductor(s)	16.9 Ohm/1000ft (55.4 Ohm/km)	34.5 pF/ft (113 pF/m)	62 pF/ft (200 pF/m)	6 Amps per Conductor at 25°C
Nom Outer Shield DCR:		16.1 Ohm/1000ft (52.8 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.
1.3 in (33 mm)	1.3 in (33 mm)

Max. Pull Tension:	23.7 lbs (10.8 kg)
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Bulk Cable Weight:	10 lbs/1000ft (15 kg/km)
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Standards and Compliance

Environmental Suitability:	Indoor - Riser, Indoor
Flammability / Reaction to Fire:	UL 1666 Riser, IEEE 1202 FT4, IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca; CPR UKCA Class: Eca
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)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Plenum Number:	6500FH

History

Update and Revision:	Revision Number: 0.698 Revision Date: 02-20-2026
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC/EAN
5500FE 010U1000	Black	UnReel	1,000 ft	612825423867
5500FE.00152	Chrome	Reel	152 m	8719605008558
5500FE.00305	Chrome	Reel	305 m	8719605008565
5500FE.00U305	Chrome	UnReel	305 m	8719605008572
5500FE.K0305	Chrome	Reel	305 m	8719605008589
5500FE 008500	Gray	Reel	500 ft	612825162773
5500FE 008U500	Gray	UnReel	500 ft	612825423836
5500FE 0081000	Gray	Reel	1,000 ft	612825162803
5500FE 008U1000	Gray	UnReel	1,000 ft	612825162780

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