


Product: [5508FE](#)

Security & Sound, #22-10c, BC, Shielded, CMR

Product Description

Security & Sound Cable, Riser-CMR, 10-22 AWG stranded bare copper conductors 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
Conductor(s)	10	22	7x30	BC - Bare Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
PP - Polypropylene	0.008 in (0.20 mm)	0.062 in (1.6 mm)	Black, Red, White, Green, Brown, Blue, Orange, Yellow, Purple, Gray

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	0.018 in (0.46 mm)	0.217 in (5.51 mm)	Yes

Electrical Characteristics
Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Inductance	Max. Current
17.41 Ohm/1000ft	22.5 pF/ft (73.8 pF/m)	40.5 pF/ft (133 pF/m)	0.18 µH/ft (0.59 µH/m)	2 Amps per Conductor at 25°C

Nom Outer Shield DCR:

14.41 Ohm/1000ft (47.28 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.
2.17 in (55.1 mm)	2.17 in (55.1 mm)

Max. Pull Tension:

96.5 lbs (43.8 kg)

Bulk Cable Weight:	32 lbs/1000ft
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Standards and Compliance

Environmental Suitability:	Outdoor
Flammability / Reaction to Fire:	UL1666 Riser
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:	6508FE

History

Update and Revision:	Revision Number: 0.429 Revision Date: 09-07-2025
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Part Numbers

Variants

Item #	Color	UPC	Footnote
5508FE 0081000	Gray	612825163947	C
5508FE 008U1000	Gray	612825163923	
5508FE 008U500	Gray	612825163930	

Footnote:	C - CRATE REEL PUT-UP.
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