



Product: [5401FE](#) 

Security & Sound, 3 Conductor 20 AWG, BC, O/A Foil, CMR

Product Description

Security & Commercial Audio Cable, Riser-CMR, 3-20 AWG stranded bare copper conductors with polyolefin insulation, Beldfoil® shield and PVC jacket with ripcord

Technical Specifications

Product Overview

Suitable Applications:	Intercom/PA Systems, Sound/Audio Systems
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Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	3	20 AWG	7x28	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PP - Polypropylene	0.008 in (0.20 mm)	0.052 in (1.3 mm)	Black, Red, White

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)	0.149 in (3.78 mm)	Yes

Overall Cable Diameter (Nominal):	0.149 in (3.78 mm)
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Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Inductance	Max. Current
10.2 Ohm/1000ft (33.5 Ohm/km)	50 pF/ft (160 pF/m)	90 pF/ft (300 pF/m)	0.17 µH/ft (0.56 µH/m)	3.75 Amps per Conductor at 25°C

Nom Outer Shield DCR:	16.1 Ohm/1000ft (52.8 Ohm/km)
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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.
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1.49 in (37.8 mm)	1.49 in (37.8 mm)
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Max. Pull Tension:	43.3 lbs (19.6 kg)
Bulk Cable Weight:	17 lbs/1000ft (25 kg/km)

Standards and Compliance

Environmental Suitability:	Indoor - Riser, Indoor
Flammability / Reaction to Fire:	UL1666 Riser, FT4, IEC 60332-1-2
CPR Compliance:	CPR Euroclass: 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:	6401FE

History

Update and Revision:	Revision Number: 0.619 Revision Date: 07-23-2026
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
5401FE 008500	Gray	Reel	500 ft	612825162025	
5401FE 0081000	Gray	Reel	1,000 ft	612825162056	C

Footnote:	C - CRATE REEL PUT-UP.
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