



Product: [5200FE](#) 

Security & Sound, 2 Conductor 16 AWG, BC, Shielded, CMR

Product Description

Security & Commercial Audio Cable, Riser-CMR, 2-16 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	16 AWG	19x29	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PP - Polypropylene	0.008 in (0.20 mm)	0.073 in (1.9 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)	0.184 in (4.67 mm)	Yes

Overall Cable Diameter (Nominal):	0.184 in (4.67 mm)
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Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Inductance	Max. Current
Conductor(s)	4 Ohm/1000ft	58 pF/ft (190 pF/m)	114 pF/ft (374 pF/m)	0.14 µH/ft (0.46 µH/m)	6.25 Amps per conductor @ 25°C
Nom Outer Shield DCR:		14.4 Ohm/1000ft (47.2 Ohm/km)			

Voltage

UL Voltage Rating
300 V (CMR)

Mechanical Characteristics

Temperature

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

Bend Radius

Stationary Min.	Installation Min.
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1.9 in (48 mm)	1.9 in (48 mm)
Max. Pull Tension:	85.5 lbs (38.8 kg)
Bulk Cable Weight:	24 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor - Riser, Indoor
Flammability / Reaction to Fire:	UL 1666 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 2015/863/EU (RoHS 2 amendment), 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:	6200FE

History

Update and Revision:	Revision Number: 0.515 Revision Date: 02-20-2026
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC/EAN	Footnote
5200FE 0101000	Black	Reel	1,000 ft	612825446002	
5200FE.00152	Chrome	Reel	152 m	8719605007940	
5200FE.00305	Chrome	Reel	305 m	8719605007964	
5200FE.00U305	Chrome	UnReel	305 m	8719605007971	
5200FE.K0305	Chrome	Reel	305 m	8719605007995	
5200FE.001500	Chrome	Reel	1,500 m	8719605007933	
5200FE.K01500	Chrome	Reel	1,500 m	8719605007988	
5200FE.001525	Chrome	Reel	1,525 m	8719605007957	
5200FE 008500	Gray	Reel	500 ft	612825157274	C
5200FE 008U500	Gray	UnReel	500 ft	612825423485	
5200FE 0081000	Gray	Reel	1,000 ft	612825157304	C
5200FE 008U1000	Gray	UnReel	1,000 ft	612825157281	
5200FE 009U1000	White	UnReel	1,000 ft	612825423492	
5200FE 0091000	White	Reel	1,000 ft	612825157311	

Footnote:	C - CRATE REEL PUT-UP.
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