


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)

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.

1.9 in (48 mm)

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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: 0.514 Revision Date: 09-07-2025

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC/EAN	Footnote
5200FE 0101000	Black	Reel	1,000 ft	612825446002	
5200FE 010Z1000	Black	ReelTuff Box	1,000 ft	612825157335	
5200FE 0061000	Blue, Light	Reel	1,000 ft	612825350446	
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 008Z1000	Gray	ReelTuff Box	1,000 ft	612825350453	
5200FE 0051000	Green, Dark	Reel	1,000 ft	612825350439	
5200FE 0031000	Orange	Reel	1,000 ft	612825350415	
5200FE 0021000	Red	Reel	1,000 ft	612825423478	
5200FE 002Z1000	Red	ReelTuff Box	1,000 ft	612825350408	
5200FE 0071000	Violet	Reel	1,000 ft	612825157298	
5200FE 009U1000	White	UnReel	1,000 ft	612825423492	
5200FE 0091000	White	Reel	1,000 ft	612825157311	
5200FE 009Z1000	White	ReelTuff Box	1,000 ft	612825350460	
5200FE 0041000	Yellow	Reel	1,000 ft	612825350422	

Footnote: C - CRATE REEL PUT-UP.

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