



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	Number of Element	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)	Max. Current
Conductor(s)	4 Ohm/1000ft	58 pF/ft (190 pF/m)	114 pF/ft (374 pF/m)	6.25 Amps per conductor @ 25°C

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)	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: 0.511 Revision Date: 04-13-2023
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC/EAN
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	Gray	Reel	305 m	8719605007971
5200FE 008500	Gray	Reel	500 ft	612825157274
5200FE 008U500	Gray	UnReel	500 ft	612825423485
5200FE 0081000	Gray	Reel	1,000 ft	612825157304
5200FE 008U1000	Gray	UnReel	1,000 ft	612825157281
5200FE 008Z1000	Gray	ReelTuff Box	1,000 ft	612825350453
5200FE.001500	Gray	Reel	1,500 m	8719605007933
5200FE.001525	Gray	Reel	1,525 m	8719605007957
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

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