



Product: [5300FE](#)

Security & Sound, 2 Conductor 18 AWG, BC, Shielded, CMR

Product Description

Security & Commercial Audio Cable, Riser-CMR, 2-18 AWG stranded bare copper conductors with polypropylene 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	Number of Element	Size	Stranding	Material
Conductor(s)	2	18 AWG	7x26	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PP - Polypropylene	0.009 in (0.23 mm)	0.062 in (1.6 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)	0.162 in (4.11 mm)	Yes

Overall Cable Diameter (Nominal):	0.162 in (4.11 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)	6.5 Ohm/1000ft (21 Ohm/km)	53 pF/ft (170 pF/m)	95.5 pF/ft (313 pF/m)	5 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.
1.6 in (41 mm)	1.6 in (41 mm)

Max. Pull Tension:	58 lbs (26 kg)
Bulk Cable Weight:	18 lbs/1000ft (27 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 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:	6300FH

History

Update and Revision:	Revision Number: 0.385 Revision Date: 01-04-2023
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC/EAN
5300FE 0101000	Black	Reel	1,000 ft	612825158981
5300FE 010U1000	Black	UnReel	1,000 ft	612825423362
5300FE 010Z1000	Black	ReelTuff Box	1,000 ft	612825159025
5300FE 0061000	Blue, Light	Reel	1,000 ft	612825350323
5300FE.00152	Chrome	Reel	152 m	8719605008145
5300FE.00305	Chrome	Reel	305 m	8719605008152
5300FE 008500	Gray	Reel	500 ft	612825336754
5300FE 008U500	Gray	UnReel	500 ft	612825423348
5300FE 0081000	Gray	Reel	1,000 ft	612825158974
5300FE 008U1000	Gray	UnReel	1,000 ft	612825158950
5300FE 008Z1000	Gray	ReelTuff Box	1,000 ft	612825350330
5300FE 0031000	Orange	Reel	1,000 ft	612825350309
5300FE 0021000	Red	Reel	1,000 ft	612825423331
5300FE 002Z1000	Red	ReelTuff Box	1,000 ft	612825350293
5300FE 0071000	Violet	Reel	1,000 ft	612825158967
5300FE 0091000	White	Reel	1,000 ft	612825423355
5300FE 009Z1000	White	ReelTuff Box	1,000 ft	612825158998
5300FE 0041000	Yellow	Reel	1,000 ft	612825350316

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