

Product: [5301FE](#)


Security & Sound, 3 Conductor 18 AWG, BC, Shielded, CMR

Product Description

Security & Commercial Audio Cable, Riser-CMR, 3-18 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	No. of Elements	Size	Stranding	Material
Conductor(s)	3	18 AWG	7x26	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PO - Polyolefin	0.009 in (0.23 mm)	0.062 in (1.6 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)	0.171 in (4.34 mm)	Yes

Overall Cable Diameter (Nominal):	0.171 in (4.34 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	36 pF/ft (120 pF/m)	64.75 pF/ft (212.4 pF/m)	5 Amps per conductor @ 25°C
Nom Outer Shield DCR:		16.9 Ohm/1000ft (55.4 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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1.7 in (43 mm)

1.7 in (43 mm)

Max. Pull Tension:	81 lbs (37 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 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:	6301FE

History

Update and Revision:	Revision Number: 0.508 Revision Date: 09-07-2025
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC/EAN	Footnote
5301FE.00305	Chrome	Reel	305 m	8719605008206	
5301FE.K0305	Chrome	Reel	305 m	8719605008213	
5301FE 008500	Gray	Reel	500 ft	612825336815	
5301FE 008U500	Gray	UnReel	500 ft	612825425564	
5301FE 0081000	Gray	Reel	1,000 ft	612825336839	C
5301FE 008U1000	Gray	UnReel	1,000 ft	612825159438	
5301FE 008Z1000	Gray	ReelTuff Box	1,000 ft	612825159452	

Footnote:	C - CRATE REEL PUT-UP.
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