

Product: 5201FE

Security & Sound, 3 Conductor 16 AWG, BC, Shielded, CMR

Product Description

Security & Commercial Audio Cable, Riser-CMR, 3-16 AWG stranded (19x29) bare copper conductors with polypropylene insulation, Beldfoil® shield, PVC jacket with ripcord

Technical Specifications

Product Overview

Suitable Applications:	Intercom/PA Systems, Sound/Audio Systems

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	3	16 AWG	19x29	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PO - Polyolefin	0.008 in (0.20 mm)	0.073 in (1.9 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)	0.195 in (4.95 mm)	Yes

Overall Cable Diameter (Nominal):	0.195 in (4.95 mm)

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)	104.5 pF/ft (342.8 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.
2.0 in (51 mm)	2.0 in (51 mm)

Max. Pull Tension:	116 lbs (52.6 kg)
Bulk Cable Weight:	34 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:	6201FE

History

Update and Revision:	Revision Number: 0.509 Revision Date: 04-28-2023

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC/EAN	Footnote
5201FE.00305	Chrome	Reel	305 m	8719605008039	
5201FE 008500	Gray	Reel	500 ft	612825157748	
5201FE 0081000	Gray	Reel	1,000 ft	612825157762	C
5201FE 008U1000	Gray	UnReel	1,000 ft	612825425670	
5201FE 008Z1000	Gray	ReelTuff Box	1,000 ft	612825157786	

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