



Product: <u>5301FE</u> ☑

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

0		Suitable Applications: Intercom/PA Systems, Sound				
Construct	Construction Details					
Conductor	Sonductor					
Element	nt No. of Elements Size Stra			g Material		
Conductor(s)	3	18 AWG	7x26	BC - Bare Copper		
Insulation						
Element	Material	Nom. Thi	ckness N	Nom. Insulation Diameter	Color Code	
Conductor(s)	PO - Polyolefin	in 0.009 in (0.23 mm)).062 in (1.6 mm)	Black, Red, White	
Duter Shield						
Tape	Material Coverag Bi-Laminate (Alum+Poly) 100%			24 AWG (7x32) TC		
Duter 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):			0.17	1 in (4.34 mm)		

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

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.
1.7 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: 0.507 Revision Date: 04-13-2023

Part Numbers

Variants

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

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