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

Construction Details

Conductor

Element	Number of Element	Size	Stranding	Material
Conductor(s)	3	18 AWG	7x26	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Color Code
Conductor(s)	PP - Polypropylene	0.009 in (0.23 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)

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)	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 (36 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 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Plenum Number:	6301FE

History

Update and Revision:	Revision Number: 0.315 Revision Date: 02-08-2022

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC/EAN
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
5301FE 008U1000	Gray	UnReel	1,000 ft	612825159438
5301FE 008Z1000	Gray	ReelTuff Box	1,000 ft	612825159452

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