

Product: 5301UE

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

Product Description

Security & Commercial Audio Cable, Riser-CMR, 3-18 AWG stranded bare copper conductors with polypropylene insulation, PVC jacket with ripcord

Technical Specifications

Product Overview

Suitable Applications:	Addressable Fire Systems, Data Circuits, Monitor/Detection, Control Circuits, Initiating Circuits, Notification Circuits

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 Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.017 in (0.43 mm)	0.167 in (4.24 mm)	Yes

Overall Cable Diameter (Nominal):	0.167 in (4.24 mm)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Max. Current
Conductor(s)	6.5 Ohm/1000ft (21 Ohm/km)	20.25 pF/ft (66.44 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:	67 lbs
Bulk Cable Weight:	22 lbs/1000ft (33 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:	6301UE

History

Update and Revision:	Revision Number: 0.332 Revision Date: 12-15-2021

Variants

Item #	Color	Putup Type	Length	UPC/EAN
5301UE.00305	Gray	Reel	305 m	8719605171863
5301UE 008500	Gray	Reel	500 ft	612825159476
5301UE 0081000	Gray	Reel	1,000 ft	612825159490
5301UE 008U1000	Gray	UnReel	1,000 ft	612825423614
5301UE 008Z1000	Gray	ReelTuff Box	1,000 ft	612825159513

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