Product: [5300UE](#) ⧉

Security & Sound, 2 Conductor 18 AWG, BC, Unshielded, CMR

Product Description

Security & Commercial Audio Cable, Riser-CMR, 2-18 AWG stranded bare copper conductors with polyolefin insulation, PVC jacket with ripcord

Technical Specifications

Product Overview

Suitable Applications:	Monitor/Detection, Control Circuits, Initiating Circuits, Notification Circuits

Physical Characteristics (Overall)

Conductor

Element	AWG	Stranding	Material	No. of Conductors
Conductor(s)	18	7x26	BC - Bare Copper	2
Conductor Count:			2	

Insulation

Element	Material	Nominal Wall Thickness
Conductor(s)	PP - Polypropylene	0.008 in

Color Chart

Number	Color
1	Black
2	Red

Outer Shield Material

Material
No Shield

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	0.158 in	0.017 in	Yes

Construction and Dimensions

Cabling

Twists
3.4 twist/ft

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
6.5 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor
21.5 pF/ft

Inductance

Nominal Inductance
0.145 µH/ft

Current

Max. Recommended Current [A]
Per conductor @ 25°C: 5 A

Voltage

UL Voltage Rating
300 V RMS

Temperature Range

UL Temp Rating:	75°C
Operating Temp Range:	-20°C To +75°C

Mechanical Characteristics

Bulk Cable Weight:	15 lbs/1000ft
Max Recommended Pulling Tension:	45 lbs
Min Bend Radius/Minor Axis:	1.5 in

Standards

NEC Articles:	800
NEC/(UL) Specification:	CMR
CEC/C(UL) Specification:	CMG
CPR Euroclass:	Eca

Applicable Environmental and Other Programs

Environmental Space:	Indoor - Riser
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
MII Order #39 (China RoHS):	Yes

Flammability, LS0H, Toxicity Testing

C(UL) Flammability:	FT4
UL Flammability:	UL1666 Vertical Shaft
ISO/IEC Flammability:	IEC 60332-1-2
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	N
Plenum Number:	6300UE

Part Number

Variants

Item #	Color	Putup Type	Length	UPC/EAN
5300UE 0101000	Black	Reel	1,000 ft	612825159162
5300UE 010U1000	Black	UnReel	1,000 ft	612825421511
5300UE 010Z1000	Black	ReelTuff Box	1,000 ft	612825159254
5300UE 0061000	Blue, Light	Reel	1,000 ft	612825350644
5300UE 001U1000	Brown	UnReel	1,000 ft	612825421450
5300UE 001Z1000	Brown	ReelTuff Box	1,000 ft	612825350682
5300UE.00152	Chrome	Reel	152 m	8719605008176

5300UE.00305	Chrome	Reel	305 m	8719605008183
5300UE 008500	Gray	Reel	500 ft	612825159117
5300UE 008C500	Gray	Coil	500 ft	612825336761
5300UE 008U500	Gray	UnReel	500 ft	612825421498
5300UE 0081000	Gray	Reel	1,000 ft	612825159148
5300UE 008U1000	Gray	UnReel	1,000 ft	612825159124
5300UE 008Z1000	Gray	ReelTuff Box	1,000 ft	612825159155
5300UE 005Z1000	Green	ReelTuff Box	1,000 ft	612825350637
5300UE 0051000	Green, Dark	Reel	1,000 ft	612825421474
5300UE 0021000	Red	Reel	1,000 ft	612825421467
5300UE 002Z1000	Red	ReelTuff Box	1,000 ft	612825350552
5300UE 0071000	Violet	Reel	1,000 ft	612825421481
5300UE 007Z1000	Violet	ReelTuff Box	1,000 ft	612825159131
5300UE 0091000	White	Reel	1,000 ft	612825336778
5300UE 009U1000	White	UnReel	1,000 ft	612825421504
5300UE 009Z1000	White	ReelTuff Box	1,000 ft	612825159179
5300UE 0041000	Yellow	Reel	1,000 ft	612825350590

Footnote:	C - CRATE REEL PUT-UP.

History

Update and Revision:	Revision Number: 0.281 Revision Date: 05-11-2020