Product: 5200UE ⧉

Security & Sound, 2 Conductor 16 AWG, BC, CMR

Product Description

Security & Commercial Audio Cable, Riser-CMR, 2-16 AWG stranded bare copper conductors with polyolefin insulation, PVC jacket with ripcord

Technical Specifications

Product Overview

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

Physical Characteristics (Overall)

Conductor

Element	AWG	Stranding	Material	No. of Conductors
Conductor(s)	16	19x29	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	0.184 in	0.017 in	Yes

Construction and Dimensions

Cabling

Lay Direction	Twists
Left Hand	3 twist/ft

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
4.2 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor
23 pF/ft

Inductance

Nominal Inductance
0.14 µH/ft

Current

Element	Max. Recommended Current [A]
10C Temperature Rise	Per conductor @ 25°C ambient: 6.25 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:	24 lbs/1000ft
Max Recommended Pulling Tension:	59 lbs
Min Bend Radius/Minor Axis:	2.0 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

Suitability

Suitability - Indoor:	Yes

Flammability, LS0H, Toxicity Testing

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

Plenum/Non-Plenum

Plenum (Y/N):	N
Plenum Number:	6200UH

Part Number

Variants

Item #	Color	Putup Type	Length	UPC/EAN
5200UE 0101000	Black	Reel	1,000 ft	612825157458
5200UE 010U1000	Black	UnReel	1,000 ft	612825421146
5200UE 010Z1000	Black	ReelTuff Box	1,000 ft	612825157496
5200UE 0061000	Blue, Light	Reel	1,000 ft	612825350187

5200UE 001U1000	Brown	UnReel	1,000 ft	612825421108
5200UE 001Z1000	Brown	ReelTuff Box	1,000 ft	612825157403
5200UE 0011000	Brown	Reel	1,000 ft	
5200UE.00152	Chrome	Reel	152 m	8719605008008
5200UE.00305	Chrome	Reel	305 m	8719605008015
5200UE 008500	Gray	Reel	500 ft	612825157410
5200UE 008U500	Gray	UnReel	500 ft	612825421122
5200UE 0081000	Gray	Reel	1,000 ft	612825157434
5200UE 008U1000	Gray	UnReel	1,000 ft	612825157427
5200UE 008Z1000	Gray	ReelTuff Box	1,000 ft	612825350194
5200UE 0051000	Green, Dark	Reel	1,000 ft	612825350170
5200UE 0031000	Orange	Reel	1,000 ft	612825350156
5200UE 0021000	Red	Reel	1,000 ft	612825421115
5200UE 002Z1000	Red	ReelTuff Box	1,000 ft	612825350149
5200UE 0071000	Violet	Reel	1,000 ft	612825336532
5200UE 009U1000	White	UnReel	1,000 ft	612825421139
5200UE 0091000	White	Reel	1,000 ft	612825157441
5200UE 009Z1000	White	ReelTuff Box	1,000 ft	612825157465
5200UE 0041000	Yellow	Reel	1,000 ft	612825350163

Footnote:	C - CRATE REEL PUT-UP.

History

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