Product: 5100UE ⧉

Security & Sound, 2 Conductor 14 AWG, BC, CMR

Product Description

Security & Commercial Audio Cable, Riser-CL3R-FPLR 2-14 AWG stranded bare copper conductors with polyolefin insulation, PVC jacket with ripcord

Technical Specifications

Product Overview

Suitable Applications:	Intercom/PA Systems, Sound/Audio Systems, Fire Alarm (For color Red only)(Dual Rated)

Physical Characteristics (Overall)

Conductor

Element	AWG	Stranding	Material	No. of Conductors
Conductor(s)	14	19x27	BC - Bare Copper	2
Conductor Count:			2	

Insulation

Element	Material	Nominal Wall Thickness
Conductor(s)	PP - Polypropylene	0.011 in

Color Chart

Number	Color
1	Black
2	White

Outer Shield Material

Material
No Shield

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	0.230 in	0.017 in	Yes

Construction and Dimensions

Cabling

Lay Direction	Twists
Left Hand	3 twist/ft

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
2.53 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor
22 pF/ft

Inductance

Nominal Inductance
0.15 µH/ft

Current

Element	Max. Recommended Current [A]
10C Temperature Rise	Per conductor @ 25°C ambient: 8 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:	35 lbs/1000ft
Max Recommended Pulling Tension:	95 lbs
Min Bend Radius/Minor Axis:	2.50 in

Standards

NEC Articles:	725, 760
NEC/(UL) Specification:	CL3R, FPLR
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

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

Plenum/Non-Plenum

Plenum (Y/N):	N
Plenum Number:	6100UH

Part Number

Variants

Item #	Color	Putup Type	Length	UPC/EAN
5100UE 0101000	Black	Reel	1,000 ft	612825423324
5100UE 010Z1000	Black	ReelTuff Box	1,000 ft	612825156369
5100UE.00152	Chrome	Reel	152 m	8719605007742
5100UE.00305	Chrome	Reel	305 m	8719605007759
5100UE.00U305	Chrome	Reel	305 m	8719605007773

5100UE.00500	Chrome	Reel	500 m	8719605007766
5100UE 008500	Gray	Reel	500 ft	612825156314
5100UE 0081000	Gray	Reel	1,000 ft	612825156338
5100UE 008U1000	Gray	UnReel	1,000 ft	612825423317
5100UE 008Z1000	Gray	ReelTuff Box	1,000 ft	612825156345
5100UE 0021000	Red	Reel	1,000 ft	612825423300
5100UE 002Z1000	Red	ReelTuff Box	1,000 ft	612825156321

Footnote:	C - CRATE REEL PUT-UP.

History

Update and Revision:	Revision Number: 0.288 Revision Date: 05-11-2020