Part Number: 5120UL

Fire Alarm, #14-2c BC, FPLR

Product Description

Fire Alarm Cable, Riser-FPLR, 2-14 AWG solid bare copper conductors with polyolefin insulation, PVC jacket with ripcord

Technical Specifications

Product Overview

Suitable Applications:	Fire Protections, Alarm, Signal, Monitor/Detection, Audio Circuits, Control Circuits, Initiating Circuits, Notification Circuits

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors
14	Solid	BC - Bare Copper	2

Conductor Count:	2
Conductor Size:	14 AWG

Insulation

Material	Nominal Wall Thickness
PP - Polypropylene	0.01 in

Color Chart

Number	Color
1	Black
2	Red

Outer Shield Material

Material
Unshielded

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	0.205 in	0.017 in	Yes

Construction and Dimensions

Cabling

Lay Direction	Twists
Left Hand	3.4 twist/ft

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
2.43 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor
23 pF/ft

Shielding:	Unshielded

Inductance

Nominal Inductance
0.15 µH/ft

High Freq

Frequency [MHz]	Max. Insertion Loss (Attenuation)	Min. RL (Return Loss) [dB]	Min. SRL (Structural Return Loss)
		25 dB	25 dB
		25 dB	25 dB
		25 dB	25 dB
25 MHz		25 dB	25 dB
25 MHz			
	25 dB/100m		
25 MHz			
25 MHz			
25 MHz			

Current

Element	Max. Recommended Current [A]
10C Temperature Rise	Per conductor @ 25°C: 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:	32 lbs/1000ft
Max Recommended Pulling Tension:	99.4 lbs
Min Bend Radius/Minor Axis:	2 in

Standards

NEC Articles:	760
NEC/(UL) Specification:	FPLR
CPR Euroclass:	Eca

Applicable Environmental and Other Programs

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
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes

Flammability, LS0H, Toxicity Testing

UL Flammability:	UL1666 Riser
CSA Flammability:	FT4
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	N

Plenum Number:	6120UL

Part Number

Variants

Item #	Color	Footnote
5120UL 0101000	Black	
5120UL D151000	Blue	C
5120UL 0061000	Blue	
5120UL 0061000	Blue	
5120UL 0051000	Green	
5120UL 0051000	Green	
5120UL 0031000	Orange	
5120UL 0031000	Orange	
5120UL 0021000	Red	C
5120UL 002500	Red	C
5120UL 0071000	Violet	
5120UL 0071000	Violet	
5120UL 0091000	White	
5120UL 0091000	White	
5120UL 0041000	Yellow	

Footnote:	C - CRATE REEL PUT-UP.