

## 5120UL Multi-Conductor - Commercial Applications - 2 Conductors Cabled



For more Information  
please call

1-800-Belden1

**General Description:**

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

**Usage (Overall)**

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

**Physical Characteristics (Overall)****Conductor**

AWG:

# Conductors	AWG	Stranding	Conductor Material
2	14	Solid	BC - Bare Copper

Total Number of Conductors: 2

**Insulation**

Insulation Material:

Insulation Material	Wall Thickness (in.)
PP - Polypropylene	0.010

**Outer Shield**

Outer Shield Material:

Outer Shield Material
Unshielded

**Outer Jacket**

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	0.017

Outer Jacket Ripcord: Yes

**Overall Cable**

Overall Cabling Lay Length & Direction:

Length (in.)	Direction	Twists (twist/ft)
3.500	Left Hand	3.400

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	Red

Overall Nominal Diameter: 0.205 in.

**Mechanical Characteristics (Overall)**

Operating Temperature Range:	-20°C To +75°C
UL Temperature Rating:	75°C
Bulk Cable Weight:	32 lbs/1000 ft.
Max. Recommended Pulling Tension:	99.400 lbs.
Min. Bend Radius/Minor Axis:	2 in.

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

NEC/(UL) Specification:	FPLR
NEC Articles:	760
EU Directive 2011/65/EU (ROHS II):	Yes
EU CE Mark:	Yes

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EU Directive 2000/53/EC (ELV): Yes

EU Directive 2002/95/EC (RoHS): Yes

EU RoHS Compliance Date (mm/dd/yyyy): 04/01/2005

EU Directive 2002/96/EC (WEEE): Yes

EU Directive 2003/11/EC (BFR): Yes

CA Prop 65 (CJ for Wire & Cable): Yes

MII Order #39 (China RoHS): Yes

### Flame Test

UL Flame Test: UL1666 Vertical Shaft

CSA Flame Test: FT4

### Suitability

Suitability - Indoor: Yes

### Plenum/Non-Plenum

Plenum Number: 6120UL

## Electrical Characteristics (Overall)

### Nom. Inductance:

Inductance (µH/ft)

.15

### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

23.000

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

2.43

### Max. Operating Voltage - UL:

Voltage

300 V RMS

### Max. Recommended Current:

Description	Current
10C Temperature Rise	8 Amps per conductor @ 25°C ambient

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5120UL D151000	1,000 FT	34.000 LB	BLUE	C	2 #14 PP FRPVC
5120UL 0021000	1,000 FT	34.000 LB	RED	C	2 #14 PP FRPVC
5120UL 002500	500 FT	18.000 LB	RED	C	2 #14 PP FRPVC
5120UL 0041000	1,000 FT	34.000 LB	YELLOW		2 #14 PP FRPVC
5120UL 0101000	1,000 FT	34.000 LB	BLACK		2 #14 PP FRPVC

### Notes:

C = CRATE REEL PUT-UP.

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