

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 (mm)
PP - Polypropylene	0.254

Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.432

Outer Jacket Ripcord: Yes

Overall Cable

Overall Cabling Lay Length & Direction:

Length (mm)	Direction	Twists (twist/m)
88.900	Left Hand	11.155

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	Red

Overall Nominal Diameter: 5.207 mm

Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +75°C

UL Temperature Rating: 75°C

Bulk Cable Weight: 47.622 Kg/Km

Max. Recommended Pulling Tension: 442.151 N

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Min. Bend Radius/Minor Axis: 50.800 mm

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

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/m)

0.49215

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

75.463

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

7.97283

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 002A1000	1,000 FT	37.000 LB	RED		2 #14 PP FRPVC
5120UL 002U1000	1,000 FT	34.000 LB	RED		2 #14 PP FRPVC
5120UL 002Z1000	1,000 FT	37.000 LB	RED		2 #14 PO 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 0031000	1,000 FT	34.000 LB	ORANGE		2 #14 PP FRPVC
5120UL 0041000	1,000 FT	34.000 LB	YELLOW		2 #14 PP FRPVC

METRIC MEASUREMENT VERSION

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5120UL 0051000	1,000 FT	34.000 LB	GREEN, DARK	2 #14 PP FRPVC
5120UL 0061000	1,000 FT	34.000 LB	BLUE, LIGHT	2 #14 PP FRPVC
5120UL 0071000	1,000 FT	34.000 LB	VIOLET	2 #14 PP FRPVC
5120UL 0091000	1,000 FT	34.000 LB	WHITE	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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