

## 5320UL Multi-Conductor - Commercial Applications - 2 Conductors Cabled

For more Information  
please call

1-800-Belden1



### General Description:

Fire Alarm Cable, Riser-FPLR, 2-18 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	18	Solid	BC - Bare Copper

**Total Number of Conductors:** 2

#### Insulation

**Insulation Material:**

Insulation Material	Wall Thickness (mm)
PP - Polypropylene	0.178

#### 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)
76.200	Left Hand	13.124

**Overall Cabling Color Code Chart:**

Number	Color
1	Black
2	Red

**Overall Nominal Diameter:** 3.632 mm

### Mechanical Characteristics (Overall)

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

**UL Temperature Rating:** 75°C

**Bulk Cable Weight:** 23.662 Kg/Km

**Max. Recommended Pulling Tension:** 174.369 N

## 5320UL Multi-Conductor - Commercial Applications - 2 Conductors Cabled

Min. Bend Radius/Minor Axis: 38.100 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 (Y/N): No

Plenum Number: 6320UL

### Electrical Characteristics (Overall)

#### Nom. Inductance:

Inductance (µH/m)

0.52496

#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

95.149

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

20.9984

#### Max. Operating Voltage - UL:

Voltage

300 V RMS

#### Max. Recommended Current:

Description	Current
10C Temperature Rise	5 Amps per conductor @ 25°C ambient

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5320UL D15C500	500 FT	7.500 LB	BLUE		2 #18 PP FRPVC
5320UL D151000	1,000 FT	16.000 LB	BLUE	C	2 #18 PP FRPVC
5320UL 001U1000	1,000 FT	16.000 LB	BROWN		2 #18 PP FRPVC
5320UL 002U1000	1,000 FT	16.000 LB	RED		2 #18 PP FRPVC
5320UL 002U500	500 FT	8.500 LB	RED		2 #18 PP FRPVC
5320UL 0021000	1,000 FT	16.000 LB	RED	C	2 #18 PP FRPVC
5320UL 0041000	1,000 FT	16.000 LB	YELLOW		2 #18 PP FRPVC

## METRIC MEASUREMENT VERSION

### 5320UL Multi-Conductor - Commercial Applications - 2 Conductors Cabled

5320UL 0051000	1,000 FT	16.000 LB	GREEN, DARK		2 #18 PP FRPVC
5320UL 0091000	1,000 FT	16.000 LB	WHITE		2 #18 PP FRPVC
5320UL 010U1000	1,000 FT	16.000 LB	BLACK		2 #18 PP FRPVC
5320UL 0101000	1,000 FT	16.000 LB	BLACK		2 #18 PP FRPVC

**Notes:**

C = CRATE REEL PUT-UP.

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