

## 5320UJ Multi-Conductor - Commercial Applications, Addressable Systems - 2 Cond Cabled



For more Information  
please call

1-800-Belden1

**General Description:**

Fire Alarm Cable, Rated-FPL, 2-18 AWG solid bare copper conductors with foamed polyolefin insulation, PVC jacket with ripcord

**Usage (Overall)**

**Suitable Applications:** Addressable Fire Systems, Data Circuits, 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 Trade Name	Insulation Material	Wall Thickness (mm)
Datalene®	FHDPE - Foam High Density Polyethylene	0.381

**Outer Shield**

**Outer Shield Material:**

Outer Shield Material
Unshielded

**Outer Jacket**

**Outer Jacket Material:**

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.8382

**Outer Jacket Ripcord:** Yes

**Overall Cable**

**Overall Cabling Lay Length & Direction:**

Length (mm)	Twists (twist/m)
50.7998	19.686

**Overall Cabling Color Code Chart:**

Color
Black
Red

**Overall Nominal Diameter:** 5.232 mm

**Mechanical Characteristics (Overall)**

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

**UL Temperature Rating:** 75°C

**Bulk Cable Weight:** 30.508 Kg/Km

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

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): 01/01/2004

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

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

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

MII Order #39 (China RoHS): Yes

**Flame Test**

UL Flame Test: UL1685 UL Loading

**Plenum/Non-Plenum**

Plenum (Y/N): No

Plenum Number: 6320UJ

**Electrical Characteristics (Overall)****Nom. Inductance:**

Inductance (μH/m)

0.59058

**Nom. Capacitance Conductor to Conductor:**

Capacitance (pF/m)

42.653

**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/km)

20.9984

**Max. Operating Voltage - UL:**

Voltage

300 V RMS

**Max. Recommended Current:**

Current

5 Amps per conductor @ 25°C

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5320UJ 002A1000	1,000 FT	25.000 LB	RED		2 #18 FPE PVC
5320UJ 002U1000	1,000 FT	22.000 LB	RED		2 #18 FPE PVC

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