

## 5322UL Multi-Conductor - Commercial Applications

For more Information  
please call

1-800-Belden1



### General Description:

Fire Alarm Cable, Riser-FPLR, 4-18 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
4	18	Solid	BC - Bare Copper

**Total Number of Conductors:**

4

#### 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)	Twists (twist/m)
101.5996	9.843

**Overall Cabling Color Code Chart:**

Number	Color
1	Black
2	Red
3	Brown
4	Blue

**Overall Nominal Diameter:**

4.216 mm

### Mechanical Characteristics (Overall)

**Operating Temperature Range:**

-20°C To +75°C

**UL Temperature Rating:**

75°C

**Bulk Cable Weight:**

41.967 Kg/Km

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Max. Recommended Pulling Tension: 348.739 N

Min. Bend Radius/Minor Axis: 41.275 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

Other Specification: California State Fire Marshall

#### Flame Test

UL Flame Test: UL1666 Vertical Shaft

CSA Flame Test: FT4

#### Plenum/Non-Plenum

Plenum (Y/N): No

Plenum Number: 6322UL

### Electrical Characteristics (Overall)

#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

72.182

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

20.9984

#### Max. Operating Voltage - UL:

Voltage

300 V RMS

#### Max. Recommended Current:

Current

4 Amps per conductor @ 25°C

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5322UL 002U1000	1,000 FT	28.000 LB	RED		4 #18 PP FRPVC
5322UL 002U500	500 FT	14.500 LB	RED		4 #18 PP FRPVC
5322UL 0021000	1,000 FT	28.000 LB	RED	C	4 #18 PP FRPVC

#### Notes:

C = CRATE REEL PUT-UP.

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