

5220UL Multi-Conductor - Commercial Applications - 2 Conductors Cabled



For more Information
please call

1-800-Belden1

**General Description:**

Fire Alarm Cable, Riser-FPLR, 2-16 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	16	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)
69.850	Left Hand	14.436

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	Red

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:

31.252 Kg/Km

Max. Recommended Pulling Tension:

277.568 N

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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

Flame Test

UL Flame Test: UL1666 Vertical Shaft

CSA Flame Test: FT4

Suitability

Suitability - Indoor: Yes

Plenum/Non-Plenum

Plenum Number: 6220UL

Electrical Characteristics (Overall)

Nom. Inductance:

Inductance (µH/m)

0.476

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

78.744

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

12.6319

Max. Operating Voltage - UL:

Voltage

300 V RMS

Max. Recommended Current:

Description Current

10C Temperature Rise 6.3 Amps per conductor @ 25°C ambient

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5220UL D151000	1,000 FT	23.000 LB	BLUE		2 #16 PP FRPVC
5220UL 0011000	1,000 FT	23.000 LB	BROWN		2 #16 PP FRPVC
5220UL 002A1000	1,000 FT	25.000 LB	RED		2 #16 PP FRPVC
5220UL 002U1000	1,000 FT	23.000 LB	RED		2 #16 PP FRPVC
5220UL 002Z1000	1,000 FT	26.000 LB	RED		2 #16 PO FRPVC
5220UL 0021000	1,000 FT	23.000 LB	RED	C	2 #16 PP FRPVC
5220UL 002500	500 FT	11.500 LB	RED		2 #16 PP FRPVC
5220UL 0031000	1,000 FT	23.000 LB	ORANGE	C	2 #16 PP FRPVC

METRIC MEASUREMENT VERSION

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5220UL 0041000	1,000 FT	23.000 LB	YELLOW		2 #16 PP FRPVC
5220UL 009U1000	1,000 FT	23.000 LB	WHITE		2 #16 PP FRPVC
5220UL 0101000	1,000 FT	23.000 LB	BLACK		2 #16 PP FRPVC

Notes:

C = CRATE REEL PUT-UP.

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