

**Part Number: 5220UJ**

Fire Alarm, #16-2c BC, FPL



## Product Description

Fire Alarm Cable, Rated-FPL, 2-16 AWG solid bare copper conductors with foam polyolefin insulation, PVC jacket with ripcord

## Technical Specifications

### Product Overview

Suitable Applications:	Addressable Fire Systems, Data Circuits, Audio Circuits, Control Circuits, Initiating Circuits, Notification Circuits
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### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	No. of Conductors
16	Solid	BC - Bare Copper	2

Conductor Count:	2
Conductor Size:	16 AWG

#### Insulation

Material	Material Trade Name	Nominal Wall Thickness
FHDPE - Foamed High Density Polyethylene	Datalene®	0.015 in

#### Color Chart

Color
Black
Red

#### Outer Shield Material

Material
Unshielded

#### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	0.23 in	0.033 in	Yes

## Construction and Dimensions

#### Cabling

Twists
4.8 twist/ft

## Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR
3.9 Ohm/1000ft

#### Capacitance

Nom. Capacitance Conductor to Conductor
13 pF/ft

Shielding:	Unshielded
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## Inductance

### Nominal Inductance

0.17 µH/ft

## Current

### Max. Recommended Current [A]

6.3 Amps per conductor @ 25°C A

## Voltage

### UL Voltage Rating

300 V RMS

## Temperature Range

UL Temp Rating:	75°C
Operating Temp Range:	-20°C To +75°C

## Mechanical Characteristics

Bulk Cable Weight:	28.6 lbs/1000ft
Max Recommended Pulling Tension:	62.4 lbs
Min Bend Radius/Minor Axis:	2.25 in

## Standards

NEC Articles:	760
NEC/(UL) Specification:	FPL

## Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2004-01-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

## Flammability, LS0H, Toxicity Testing

UL Flammability:	UL1685 UL Loading
UL voltage rating:	300 V RMS

## Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	6220UJ

## Part Number

### Variants

Item #	Color	Footnote
5220UJ 0021000	Red	C

Footnote: C - CRATE REEL PUT-UP.

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