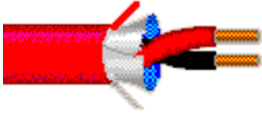


**Part Number: 5320FJ**

Fire Alarm, #18-2c BC, Shielded, FPL



## Product Description

Fire Alarm Cable, Rated-FPL, 2-18 AWG solid bare copper conductors with foam polyolefin insulation, overall Beldfoil® shield, PVC jacket with ripcord

## Technical Specifications

### Product Overview

|                        |   |
|------------------------|---|
| Suitable Applications: | Addressable Fire Systems, Data Circuits, Audio Circuits, Control Circuits, Initiating Circuits, Notification Circuits |
|------------------------|---|

### Physical Characteristics (Overall)

#### Conductor

| AWG | Stranding | Material         | No. of Conductors |
|-----|-----------|------------------|-------------------|
| 18  | Solid     | BC - Bare Copper | 2                 |

|                  |        |
|------------------|--------|
| Conductor Count: | 2      |
| Conductor Size:  | 18 AWG |

#### Insulation

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

#### Color Chart

| Number | Color |
|--------|-------|
| 1      | Black |
| 2      | Red   |

#### Outer Shield Material

| Type | Material           | Material Trade Name | Coverage [%] | Drainwire Material | Drainwire AWG | Drainwire Construction n x D |
|------|--------------------|---------------------|--------------|--------------------|---------------|------------------------------|
| Tape | Aluminum/Polyester | Beldfoil®           | 100 %        | TC - Tinned Copper | 20            | Solid                        |

#### Outer Jacket Material

| Material                 | Nominal Diameter | Nominal Wall Thickness | Ripcord |
|--------------------------|------------------|------------------------|---------|
| PVC - Polyvinyl Chloride | 0.211 in         | 0.033 in               | Yes     |

## Construction and Dimensions

### Cabling

| Twists     |
|------------|
| 6 twist/ft |

## Electrical Characteristics

### Conductor DCR

| Nominal Conductor DCR | Nominal Outer Shield DCR |
|-----------------------|--------------------------|
| 6.4 Ohm/1000ft        | 17.9 Ohm/1000ft          |

### Capacitance

| Nom. Capacitance Conductor to Conductor | Nom. Capacitance Conductor to Other Conductor to Shield |
|---|---|
| 26.5 pF/ft                              | 47.5 pF/ft  |

|            |                           |
|------------|---------------------------|
| Shielding: | Foil(s) or Copper Tape(s) |
|------------|---------------------------|

## Inductance

### Nominal Inductance

0.18 µH/ft

## High Frequency (Nominal/Typical)

### Nom. Insertion Loss

26.4 dB/100m

## Current

### Max. Recommended Current [A]

5 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:               | 24 lbs/1000ft |
| Max Recommended Pulling Tension: | 43.2 lbs      |
| Min Bend Radius/Minor Axis:      | 2 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: | 6320FJ |

## Part Number

### Variants

| Item #          | Color | Footnote |
|-----------------|-------|----------|
| 5320FJ 0021000  | Red   | C        |
| 5320FJ 002U1000 | Red   |          |

|           |                        |
|-----------|------------------------|
| Footnote: | C - CRATE REEL PUT-UP. |
|-----------|------------------------|

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