

## 5220FL Multi-Conductor - Commercial Applications - 2 Conductors Cabled

For more Information  
please call

1-800-Belden1



### Description:

16 AWG bare copper conductors, PP insulation, conductors cabled together, Beldfoil® shield and drain wire, PVC jacket with ripcord, sequential footage marking every two feet.

### Usage (Overall)

**Suitable Applications:** Fire Protection, 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 (in.)
PP - Polypropylene	0.007

#### Outer Shield

**Outer Shield Material:**

Outer Shield Trade Name	Outer Shield Material	Coverage (%)
Beldfoil®	Aluminum Foil-Polyester Tape	100

**Outer Shield Drain Wire AWG:**

AWG	Stranding	Drain Wire Conductor Material
24	Solid	TC - Tinned Copper

#### Outer Jacket

**Outer Jacket Material:**

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	0.017

**Outer Jacket Ripcord:** Yes

### Overall Cable

**Overall Cabling Lay Length & Direction:**

Length (in.)	Twists (twist/ft)
2.500	4.800

**Overall Cabling Color Code Chart:**

Number	Color
1	Black
2	Red

**Overall Nominal Diameter:** 0.170 in.

### Mechanical Characteristics (Overall)

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

**UL Temperature Rating:** 75°C

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<b>Bulk Cable Weight:</b>	31.100 lbs/1000 ft.
<b>Max. Recommended Pulling Tension:</b>	75 lbs.
<b>Min. Bend Radius/Minor Axis:</b>	1.750 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

<b>NEC/(UL) Specification:</b>	FPLR
<b>NEC Articles:</b>	760
<b>EU CE Mark:</b>	Yes
<b>EU Directive 2000/53/EC (ELV):</b>	Yes
<b>EU Directive 2002/95/EC (RoHS):</b>	Yes
<b>EU RoHS Compliance Date (mm/dd/yyyy):</b>	04/01/2005
<b>EU Directive 2002/96/EC (WEEE):</b>	Yes
<b>EU Directive 2003/11/EC (BFR):</b>	Yes
<b>CA Prop 65 (CJ for Wire &amp; Cable):</b>	Yes
<b>MII Order #39 (China RoHS):</b>	Yes
<b>Other Specification:</b>	California State Fire Marshall

#### Flame Test

<b>UL Flame Test:</b>	UL1666 Vertical Shaft
<b>CSA Flame Test:</b>	FT4

#### Plenum/Non-Plenum

<b>Plenum (Y/N):</b>	No
<b>Plenum Number:</b>	6220FL

### Electrical Characteristics (Overall)

#### Nom. Inductance:

<b>Inductance (µH/ft)</b>
0.140

#### Nom. Capacitance Conductor to Conductor:

<b>Capacitance (pF/ft)</b>
65.500

#### Nom. Capacitance Cond. to Other Conductor & Shield:

<b>Capacitance (pF/ft)</b>
118.000

#### Nom. Conductor DC Resistance:

<b>DCR @ 20°C (Ohm/1000 ft)</b>
3.9

#### Nominal Outer Shield DC Resistance:

<b>DCR @ 20°C (Ohm/1000 ft)</b>
16.900

#### Max. Operating Voltage - UL:

<b>Voltage</b>
300 V RMS

#### Max. Recommended Current:

<b>Current</b>
6.3 Amps per conductor @ 25°C

### Put Ups and Colors:

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Item #	Putup	Ship Weight	Color	Notes	Item Desc
5220FL D151000	1,000 FT	24.000 LB	BLUE		2 #16 PP FS FRPVC
5220FL 0021000	1,000 FT	24.000 LB	RED	C	2 #16 PP FS FRPVC
5220FL 0091000	1,000 FT	24.000 LB	WHITE		2 #16 PP FS FRPVC

**Notes:**

C = CRATE REEL PUT-UP.

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#### Как с нами связаться

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