

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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Bulk Cable Weight:	31.100 lbs/1000 ft.
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Max. Recommended Pulling Tension:	75 lbs.
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Min. Bend Radius/Minor Axis:	1.750 in.
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Applicable Specifications and Agency Compliance (Overall)**Applicable Standards & Environmental Programs**

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

UL Flame Test:	UL1666 Vertical Shaft
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CSA Flame Test:	FT4
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Plenum/Non-Plenum

Plenum (Y/N):	No
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Plenum Number:	6220FL
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Electrical Characteristics (Overall)**Nom. Inductance:**

Inductance (μH/ft)

0.140

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

65.500

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)

118.000

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

3.9

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

16.900

Max. Operating Voltage - UL:

Voltage

300 V RMS

Max. Recommended Current:

Current

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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