

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.
Max. Recommended Pulling Tension:	75 lbs.
Min. Bend Radius/Minor Axis:	1.750 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	FPLR
NEC Articles:	760
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
Other Specification:	California State Fire Marshall

Flame Test

UL Flame Test:	UL1666 Vertical Shaft
CSA Flame Test:	FT4

Plenum/Non-Plenum

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

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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