# **Detailed Specifications & Technical Data**

**ENGLISH MEASUREMENT VERSION** 



### 6220FL Multi-Conductor - Commercial Applications - 2 Conductors Cabled



For more Information please call

1-800-Belden1



## **Description:**

16 AWG bare copper conductors, Flamarrest® insulation, cabled together, Flamarrest® jacket with ripcord, shielded version has overall Beldfoil® shield tape (foil side out) and drain wire, 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	<b>Conductor Material</b>
2	16	Solid	BC - Bare Copper

#### Insulation

**Insulation Material:** 

Insulation Trade Name	Insulation Material	Wall Thickness (in.)
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	0.010

#### **Outer Shield**

**Outer Shield Material:** 

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape w/Shorting Fold	100

#### **Outer Shield Drain Wire AWG:**

AWG	Stranding	<b>Drain Wire Conductor Material</b>
24	Solid	TC - Tinned Copper

#### **Outer Jacket**

**Outer Jacket Material:** 

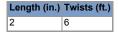
<b>Outer Jacket Trade Name</b>	Outer Jacket Material	Nom. Wall Thickness (in.)
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	.015

Outer Jacket Ripcord:

Yes

#### **Overall Cable**

Overall Cabling Lay Length & Direction:



#### **Overall Cabling Color Code Chart:**

Number	Color
1	Black
2	Red

Overall Nominal Diameter: 0.178 in.

#### **Mechanical Characteristics (Overall)**

Operating Temperature Range:	0°C To +75°C
UL Temperature Rating:	75°C

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Bulk Cable Weight:	28.300 lbs/1000 ft.
Max. Recommended Pulling Tension:	76.400 lbs.
Min. Bend Radius (Install)/Minor Axis:	1.750 in.

## **Applicable Specifications and Agency Compliance (Overall)**

## Applicable Standards & Environmental Programs

Applicable Standards & Environmental Prog	rams
NEC/(UL) Specification:	FPLP
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:	NFPA 262
Plenum/Non-Plenum	
Plenum (Y/N):	Yes
Non-Plenum Number:	5220FL

# **Electrical Characteristics (Overall)**

Nom. Inductance:

Inductance (µH/ft) .15

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
77

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft) 139

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft) 3.85

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

#### **Related Documents:**

No related documents are available for this product

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### **Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
6220FL D151000	1,000 FT	28.000 LB	BLUE		2 #16 FLRST FS FLRST
6220FL 0021000	1,000 FT	28.000 LB	RED	С	2 #16 FLRST FS FLRST

#### Notes:

C = CRATE REEL PUT-UP.

Revision Number: 3 Revision Date: 05-27-2010

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