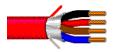
# **Detailed Specifications & Technical Data**

#### **ENGLISH MEASUREMENT VERSION**



## 6122FL Multi-Conductor - Commercial Applications



For more Information please call

1-800-Belden1



### **General Description:**

Fire Alarm Cable, Plenum-FPLP, 4-14 AWG solid bare copper conductors with Flamarrest® insulation, Overall Beldfoil® shield, Flamarrest® jacket with ripcord

### 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 14 Solid BC - Bare Copper **Total Number of Conductors:** Insulation Insulation Material: Insulation Trade Name Insulation Material LS PVC - Low Smoke Polyvinyl Chloride 0.011 **Outer Shield Outer Shield Material:** Outer Shield Trade Name Type Outer Shield Material Beldfoil® Tape | Aluminum Foil-Polyester Tape w/Shorting Fold | 100 Outer Shield Drain Wire AWG: **AWG Stranding Drain Wire Conductor Material** solid TC - Tinned Copper **Outer Jacket** Outer Jacket Material: Outer Jacket Trade Name 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: Length (in.) Twists (twist/ft) 3.5 3.4 **Overall Cabling Color Code Chart:**

Number	Color
1	Black
2	Red
3	Brown
4	Blue

**Overall Nominal Diameter:** 

0.245 in.

echanical Characteristics (Overall)						
Operating Temperature Range:	0°C To +75°C					
UL Temperature Rating:	75°C					
Bulk Cable Weight:	73 lbs/1000 ft.					
Max. Recommended Pulling Tension:	212.800 lbs.					
Min. Bend Radius/Minor Axis:	2.500 in.					

Applicable Specifications and Agency Compliance (Overall)

**Applicable Standards & Environmental Programs** 

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# **Detailed Specifications & Technical Data**

#### **ENGLISH MEASUREMENT VERSION**



## 6122FL Multi-Conductor - Commercial Applications

	NEC/(UL) Specification:	FPLP
	NEC Articles:	760
	EU Directive 2011/65/EU (ROHS II):	Yes
	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
Fla	me Test	
	UL Flame Test:	NFPA 262
Ple	num/Non-Plenum	
	Plenum (Y/N):	Yes
	Non-Plenum Number:	5122FL

### **Electrical Characteristics (Overall)**

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft) 82.8

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft) 11.300

Max. Operating Voltage - UL:

Voltage 300 V RMS

Max. Recommended Current:

6.4 Amps per conductor @ 25°C

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

Item #	Putup	Ship Weight	Color	Notes	Item Desc
6122FL 0021000	1,000 FT	77.000 LB	RED	С	4 #14 FLRST FS FLRST

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 03-13-2013

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