



For more Information  
please call

1-800-Belden1



### General Description:

Fire Alarm Cable, Plenum-FPLP, 4-16 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
4	16	Solid	BC - Bare Copper

**Total Number of Conductors:** 4

#### 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	Drain Wire Conductor Material
24	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)
2.75	4.4

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	Red
3	Brown
4	Blue

**Overall Nominal Diameter:** 0.208 in.

### Mechanical Characteristics (Overall)

**Operating Temperature Range:** 0°C To +75°C

**UL Temperature Rating:** 75°C

**Bulk Cable Weight:** 49 lbs/1000 ft.

**Max. Recommended Pulling Tension:** 138.800 lbs.

**Min. Bend Radius/Minor Axis:** 2.100 in.

### Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

## 6222FL 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

### Flame Test

UL Flame Test:	NFPA 262
----------------	----------

### Plenum/Non-Plenum

Plenum (Y/N):	Yes
Non-Plenum Number:	5222FL

### Electrical Characteristics (Overall)

#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)  
43.5

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

Capacitance (pF/ft)  
78.3

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)  
3.9

#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)  
15.200

#### Max. Operating Voltage - UL:

Voltage  
300 V RMS

#### Max. Recommended Current:

Current  
5 Amps per conductor @ 25°C

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
6222FL 0021000	1,000 FT	54.000 LB	RED	C	4 #16 FLRST FS FLRST

Notes:  
C = CRATE REEL PUT-UP.

Revision Number: 3    Revision Date: 03-13-2013

© 2017 Belden, Inc.  
All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability. Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein. All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 2014/35/EU).