



Product: [6122FL](#)

Fire Alarm, #14-4c BC, Shielded, FPLP

Product Description

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

Technical Specifications

Product Overview

Suitable Applications:	Fire Alarm, Monitor/Detection, Circuits: Audio, Control, Initiating, Notification, Noisy Environment
------------------------	--

Physical Characteristics (Overall)

Conductor			
AWG	Stranding	Material	No. of Conductors
14	Solid	BC - Bare Copper	4
Conductor Count:			4

Insulation		
Material	Material Trade Name	Nominal Wall Thickness
PVC - Polyvinyl Chloride	Flamarrest®	0.011 in

Color Chart	
Number	Color
1	Black
2	Red
3	Brown
4	Blue

Outer Shield						
Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Bi-Laminate (Alum+Poly)	Beldfoil®	100%	TC - Tinned Copper	22	Solid

Outer Jacket				
Material	Material Trade Name	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	Flamarrest®	0.245 in	0.015 in	Yes

Construction and Dimensions

Cabling	
Twists	
3.4 twist/ft	

Electrical Characteristics

Conductor DCR	
Nominal Conductor DCR	Nominal Outer Shield DCR
2.43 Ohm/1000ft	11.3 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
46 pF/ft	82.8 pF/ft

Current

Max. Recommended Current [A]
6.4 Amps per Conductor at 25°C

Voltage

UL Voltage Rating
300 V RMS

Temperature Range

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

Mechanical Characteristics

Bulk Cable Weight:	73 lbs/1000ft
Max. Pull Tension:	212.8 lbs
Min. Bend Radius/Minor Axis:	2.5 in

Standards

NEC Articles:	Article 760
NEC/(UL) Compliance:	FPLP
Other Specification:	California State Fire Marshall

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (RoHS 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
MII Order #39 (China RoHS):	Yes

Flammability, LSOH, Toxicity Testing

UL Flammability:	NFPA 262 Plenum Flame Test (UL910)
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	Yes
---------------	-----

Part Number

Non-Plenum Number:	5122FL
--------------------	--------

Variants

Item #	Color	UPC
6122FL 0021000	Red	612825173793

Footnote:	C - CRATE REEL PUT-UP.
-----------	------------------------

History

Update and Revision:	Revision Number: 0.306 Revision Date: 08-27-2021
----------------------	--

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.