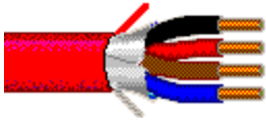# BELDEN
SENDING ALL THE RIGHT SIGNALS

Part Number: 6322FL

Fire Alarm, #18-4c BC, Shielded, FPLP

Product Description

Fire Alarm Cable, Plenum-FPLP, 4-18 AWG solid bare copper conductors with Flamarrest® insulation, overall Beldfoil® shield, Flamarrest® jacket with ripcord

Technical Specifications

Product Overview

Suitable Applications:	Fire Protection, Alarm, Signal, Monitor/Detection, Audio Circuits, Control Circuits, Initiating Circuits, Notification Circuits

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors
18	Solid	BC - Bare Copper	4

Conductor Count:	4
Conductor Size:	18 AWG

Insulation

Material	Material Trade Name	Nominal Wall Thickness
LS PVC - Low Smoke Polyvinyl Chloride	Flamarrest®	0.01 in

Color Chart

Number	Color
1	Black
2	Red
3	Brown
4	Blue

Outer Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Aluminum/Polyester	Beldfoil®	100 %	TC - Tinned Copper	24	Solid

Outer Jacket Material

Material	Material Trade Name	Nominal Diameter	Nominal Wall Thickness	Ripcord
LS PVC - Low Smoke Polyvinyl Chloride	Flamarrest®	0.18 in	0.015 in	Yes

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
6.4 Ohm/1000ft	16.9 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
40 pF/ft	72 pF/ft

Shielding:	Foil(s) or Copper Tape(s)

Current

Max. Recommended Current [A]
4 Amps per conductor @ 25°C A

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:	32 lbs/1000ft
Max Recommended Pulling Tension:	92.4 lbs
Min Bend Radius/Minor Axis:	1.8 in

Standards

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

Applicable Environmental and Other Programs

EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Flammability, LS0H, 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:	5322FL

Variants

Item #	Color	Footnote
6322FL 0021000	Red	C

Footnote:	C - CRATE REEL PUT-UP.