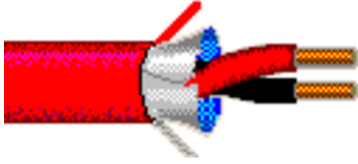


**Part Number: 5500FL**

**Fire Alarm, #22-2c BC, Shielded, FPLR**



## Product Description

Fire Alarm Cable, Riser-FPLR, 2-22 AWG (7x30) bare copper conductors with polyolefin insulation, overall Beldfoil® shield, PVC jacket with ripcord

## Technical Specifications

### Product Overview

Suitable Applications:	22 AWG Bare Copper Conductors ~ PP Insulation ~ Conductors Cabled Together ~ Beldfoil® Shield and Drain Wire ~ PVC Jacket With Ripcord
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### Physical Characteristics (Overall)

Conductor			
AWG	Stranding	Material	No. of Conductors
22	7x30	BC - Bare Copper	2
Conductor Count:		2	
Conductor Size:		22 AWG	

Insulation	
Material	Nominal Wall Thickness
PP - Polypropylene	0.008 in

Color Chart	
Number	Color
1	Black
2	Red

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	7x32

Outer Jacket Material			
Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	0.126 in	0.017 in	Yes

### Construction and Dimensions

Cabling	
Lay Direction	Twists
Left Hand	4.8 twist/ft

### Electrical Characteristics

Conductor DCR	
Nominal Conductor DCR	
16.1 Ohm/1000ft	
Capacitance	
Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
22 pF/ft	40 pF/ft
Shielding:	Foil Tape

Inductance

Nominal Inductance
0.17 µH/ft

Current

Element	Max. Recommended Current [A]
10C Temperature Rise	Per conductor @ 25°C: 2.8 A

Voltage

UL Voltage Rating
300 V RMS

Temperature Range

UL Temp Rating:	75°C
Operating Temp Range:	-20°C To +75°C

Mechanical Characteristics

Bulk Cable Weight:	10 lbs
Min Bend Radius/Minor Axis:	1.3 in

Standards

NEC Articles:	760
NEC/(UL) Specification:	FPLR

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/11/EC (BFR):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	Yes
MII Order #39 (China RoHS):	Yes

Flammability, LS0H, Toxicity Testing

UL Flammability:	UL1666 Riser
CSA Flammability:	FT4
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
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