



Product: [5020FL](#)

Fire Alarm, #12-2c BC, Shielded, FPLR

Product Description

Fire Alarm Cable, Riser-FPLR, 2-12 AWG solid bare copper conductors with polyolefin insulation, overall Beldfoil® shield, PVC jacket with ripcord

Technical Specifications

Product Overview

Suitable Applications:	Fire Alarm, Monitor/Detection, Circuits: Audio, Control, Initiating, Notification, Noisy Environment
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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors
12	Solid	BC - Bare Copper	2

Conductor Count:	2
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Insulation

Material	Nominal Wall Thickness
PP - Polypropylene	0.01 in

Color Chart

Number	Color
1	Black
2	Red

Outer Shield Material

Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Alum / Poly	Beldfoil®	100 %	TC - Tinned Copper	20	7x28

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	0.243 in	0.017 in	Yes

Construction and Dimensions

Cabling

Twists
4.4 twist/ft

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
1.53 Ohm/1000ft	7.5 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
71 pF/ft	128 pF/ft

Inductance

Nominal Inductance
0.14 µH/ft

Current

Max. Recommended Current [A]
12 Amps per conductor @ 25°C 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:	56.8 lbs/1000ft
Max Recommended Pulling Tension:	172 lbs
Min Bend Radius/Minor Axis:	2.5 in

Standards

NEC Articles:	760
NEC/(UL) Specification:	FPLR
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 II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes
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Flammability, LS0H, Toxicity Testing

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

Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	6020FL

Part Number

Variants

Item #	Color	UPC
5020FL 0021000	Red	612825155881

Footnote:	C - CRATE REEL PUT-UP.
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History

Update and Revision:	Revision Number: 0.233 Revision Date: 04-28-2020
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