



Product: [5220FL](#)

Fire Alarm, #16-2c BC, Shielded, FPLR

Product Description

Fire Alarm Cable, Riser-FPLR, 2-16 AWG solid bare copper conductors with polypropylene 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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Construction Details

Conductor

Element	Number of Element	AWG	Stranding	Material
Conductor(s)	2	16	Solid	BC - Bare Copper

Insulation

Element	Material	Thickness	Color Code
Conductor(s)	PP - Polypropylene	0.007 in	Black, Red

Outer Shield Material

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	24 AWG (Solid) TC

Outer Jacket Material

Material	Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.017 in	0.170 in	Yes

Cable Diameter (Nominal):	0.170 in
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Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
Conductor(s)	3.9 Ohm/1000ft	65.5 pF/ft	118 pF/ft	6.3 Amps per conductor @ 25°C

Nom Outer Shield DCR:	16.9 Ohm/1000ft
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Voltage

UL Voltage Rating
300 V (FPLR)

Mechanical Characteristics

Temperature

UL Rating	Operating
75°C	-20°C to +75°C

Bend Radius

Stationary Min.	Installation Min.

1.75 in	1.7 in
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Max. Pull Tension:	75 lbs
Bulk Cable Weight:	23 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor - Riser, Indoor
Flammability / Fire Resistance:	UL1666 Riser, IEC 60332-1-2
NEC / UL Compliance:	Article 760, FPLR
CPR Euroclass:	Eca
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Plenum Number:	6220FL

History

Update and Revision:	Revision Number: 0.279 Revision Date: 09-30-2020
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