



Product: YM46938

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

Product Description

Fire Alarm Cable, Riser-FPLR, 2-16 AWG stranded bare copper conductors with Polyvinyl Chloride 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

Element	Number of Element	AWG	Stranding	Material
Pair(s)	1	16	19x29	BC - Bare Copper

Insulation

Material	Nominal Wall Thickness
PVC - Polyvinyl	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	Bi-Laminate (Alum+Poly)	Beldfoil®	100%	TC - Tinned Copper	20	Solid

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	0.178 in	0.017 in	Yes

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
3.9 Ohm/1000ft	7.6 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
77 pF/ft	139 pF/ft

Current

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

Voltage

UL Voltage Rating
300 V RMS

Temperature Range

UL Temp Rating:	105°C
Operating Temp Range:	-20°C To +105°C

Mechanical Characteristics

Bulk Cable Weight:	29.3 lbs/1000ft
Max. Pull Tension:	75 lbs
Min Bend Radius/Minor Axis:	2.0 in

Standards

NEC Articles:	Article 760
NEC/(UL) Compliance:	FPLR

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 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2009-10-01
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
Plenum Number:	6200FL

History

Update and Revision:	Revision Date: 02-16-2021
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