



Product: [5120FL](#) 

Fire Alarm, #14-2c BC, Shielded, FPLR

Product Description

Fire Alarm Cable, Riser-FPLR, 2-14 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
------------------------	--

Construction Details

Conductor

Element	Number of Element	AWG	Stranding	Material
Conductor(s)	2	14	Solid	BC - Bare Copper

Insulation

Element	Material	Thickness [in.]	Color Code
Conductor(s)	PP - Polypropylene	0.010	Black, Red

Outer Shield Material

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	22 AWG (Solid) TC

Outer Jacket Material

Material	Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.017 in	0.209 in	Yes

Cable Diameter (Nominal):	0.209 in
---------------------------	----------

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
Conductor(s)	2.43 Ohm/1000ft	60 pF/ft	108 pF/ft	8.0 Amps per conductor @ 25°C
Nom Outer Shield DCR:	11.2 Ohm/1000ft			

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.
-----------------	-------------------

2 in	2.1 in
Max. Pull Tension:	113 lbs
Bulk Cable Weight:	36 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)
Other Standard Compliance(s):	California State Fire Marshall
Plenum Number:	6120FL

History

Update and Revision:	Revision Number: 0.280 Revision Date: 09-30-2020
----------------------	--

© 2020 Belden, Inc
All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.