

5120FL Multi-Conductor - Commercial Applications - 2 Conductors Cabled



For more Information
please call

1-800-Belden1

**Description:**

14 AWG bare copper conductors, PP insulation, conductors cabled together, Beldfoil® shield and drain wire, PVC jacket with ripcord, sequential footage marking every two feet.

Usage (Overall)**Suitable Applications:**

Fire Protection, Alarm, Signal, Monitor/Detection, Audio Circuits, Control Circuits, Initiating Circuits, Notification Circuits

Physical Characteristics (Overall)**Conductor****AWG:**

# Conductors	AWG	Stranding	Conductor Material
2	14	Solid	BC - Bare Copper

Insulation**Insulation Material:**

Insulation Material	Wall Thickness (in.)
PP - Polypropylene	0.010

Outer Shield**Outer Shield Material:**

Outer Shield Trade Name	Outer Shield Material	Coverage (%)
Beldfoil®	Aluminum Foil-Polyester Tape	100

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
22	Solid	TC - Tinned Copper

Outer Jacket**Outer Jacket Material:**

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	0.017

Outer Jacket Ripcord:

Yes

Overall Cable**Overall Cabling Lay Length & Direction:**

Length (in.)	Twists (ft.)
2.50	4.8

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	Red

Overall Nominal Diameter:

0.209 in.

Mechanical Characteristics (Overall)**Operating Temperature Range:**

-20°C To +75°C

UL Temperature Rating:

75°C

Bulk Cable Weight:

40 lbs/1000 ft.

5120FL Multi-Conductor - Commercial Applications - 2 Conductors Cabled

Max. Recommended Pulling Tension:	113 lbs.
-----------------------------------	----------

Min. Bend Radius (Install)/Minor Axis:	2 in.
--	-------

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	FPLR
-------------------------	------

NEC Articles:	760
---------------	-----

EU CE Mark:	Yes
-------------	-----

EU Directive 2000/53/EC (ELV):	Yes
--------------------------------	-----

EU Directive 2002/95/EC (RoHS):	Yes
---------------------------------	-----

EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005
---------------------------------------	------------

EU Directive 2002/96/EC (WEEE):	Yes
---------------------------------	-----

EU Directive 2003/11/EC (BFR):	Yes
--------------------------------	-----

CA Prop 65 (CJ for Wire & Cable):	Yes
-----------------------------------	-----

MII Order #39 (China RoHS):	Yes
-----------------------------	-----

Other Specification:	California State Fire Marshall
----------------------	--------------------------------

Flame Test

UL Flame Test:	UL1666 Vertical Shaft
----------------	-----------------------

CSA Flame Test:	FT4
-----------------	-----

Plenum/Non-Plenum

Plenum (Y/N):	No
---------------	----

Plenum Number:	6120FL
----------------	--------

Electrical Characteristics (Overall)

Nom. Inductance:

Inductance (μ H/ft)

.15

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

60.000

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)

108.000

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

2.43

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

11.200

Max. Operating Voltage - UL:

Voltage

300 V RMS

Max. Recommended Current:

Current

8 Amps per conductor @ 25°C

Related Documents:

No related documents are available for this product

5120FL Multi-Conductor - Commercial Applications - 2 Conductors Cabled

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5120FL D151000	1,000 FT	37.000 LB	BLUE		2 #14 PP FS FRPVC
5120FL 0021000	1,000 FT	37.000 LB	RED	C	2 #14 PP FS FRPVC

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 3 Revision Date: 07-24-2009

© 2012 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 herein 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 "AS IS" 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 EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure 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. This 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.

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.