Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



6320FL Multi-Conductor - Commercial Applications - 2 Conductors Cabled



For more Information please call

1-800-Belden1



Description:

18 AWG bare copper conductors, Flamarrest® insulation, cabled together, Flamarrest® jacket with ripcord, shielded version has overall Beldfoil® shield tape (foil side out) and drain wire, 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	18	Solid	BC - Bare Copper

Insulation

Insulation Material:

Insulation Trade Name		Insulation Material	Wall Thickness (in.)	
	Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	0.010	

Outer Shield

Outer Shield Material:

Outer Shield Trade Name Type		Type	Outer Shield Material	Coverage (%)
	Beldfoil®	Tape	Aluminum Foil-Polyester Tape w/Shorting Fold	100

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material			
24	solid	TC - Tinned Copper			

Outer Jacket

Outer Jacket Material:

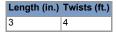
Outer Jacket Trade Name	Outer Jacket Material	Nom. Wall Thickness (in.)	
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	.015	

Outer Jacket Ripcord:

Yes

Overall Cable

Overall Cabling Lay Length & Direction:



Overall Cabling Color Code Chart:

Number	Color
1	Black
2	Red

Overall Nominal Diameter: 0.155 in.

Mechanical Characteristics (Overall)

Operating Temperature Range:	0°C To +75°C
UL Temperature Rating:	75°C

Page 1 of 3 01-06-2012

Detailed Specifications & Technical Data





6320FL Multi-Conductor - Commercial Applications - 2 Conductors Cabled

Bulk Cable Weight:	20.700 lbs/1000 ft.
Max. Recommended Pulling Tension:	53.200 lbs.
Min. Bend Radius (Install)/Minor Axis:	1.500 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

Applicable Standards & Environmental Progr	rams
NEC/(UL) Specification:	FPLP
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:	NFPA 262
Plenum/Non-Plenum	
Plenum (Y/N):	Yes

5320FL

Electrical Characteristics (Overall)

Non-Plenum Number:

Nom. Inductance:

Inductance (µH/ft) .16

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
65

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)
117

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft) 6.4

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft) 16.900

Max. Operating Voltage - UL:

Voltage 300 V RMS

Max. Recommended Current:

Current
5 Amps per conductor @ 25°C

Related Documents:

No related documents are available for this product

Page 2 of 3 01-06-2012

Detailed Specifications & Technical Data





6320FL Multi-Conductor - Commercial Applications - 2 Conductors Cabled

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
6320FL 002U1000	1,000 FT	22.000 LB	RED		2 #18 FLRST FS FLRST
6320FL 0021000	1,000 FT	22.000 LB	RED	С	2 #18 FLRST FS FLRST
6320FL 009U1000	1,000 FT	22.000 LB	WHITE		2 #18 FLRST FS FLRST
6320FL 0101000	1,000 FT	22.000 LB	BLACK		2 #18 FLRST FS FLRST

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 3 Revision Date: 06-09-2010

© 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

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.

Page 3 of 3 01-06-2012