Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



5220FL Multi-Conductor - Commercial Applications - 2 Conductors Cabled



For more Information please call

1-800-Belden1



Description:

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

2

Usage (Overall)

Suitable Applications:

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

Physical Characteristics (Overall)

Conductor

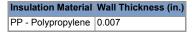
AWG:

# Conductors AW		Stranding	Conductor Material		
2	16	Solid	BC - Bare Copper		

Total Number of Conductors:

Insulation

Insulation Material:



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
24	Solid	TC - Tinned Copper

Outer Jacket

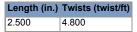
Outer Jacket Material:

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

Outer Jacket Ripcord: Yes

Overall Cable

Overall Cabling Lay Length & Direction:



Overall Cabling Color Code Chart:

Number	Color
1	Black
2	Red

Overall Nominal Diameter: 0.170 in.

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +75°C
UL Temperature Rating:	75°C

Page 1 of 3 09-04-2012

Detailed Specifications & Technical Data





5220FL Multi-Conductor - Commercial Applications - 2 Conductors Cabled

Bulk Cable Weight:	31.100 lbs/1000 ft.
Max. Recommended Pulling Tension:	75 lbs.
Min. Bend Radius/Minor Axis:	1.750 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

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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	
ame Test		
UL Flame Test:	UL1666 Vertical Shaft	
CSA Flame Test:	FT4	

Fla

UL Flame Test:	UL1666 Vertical Shaft
CSA Flame Test:	FT4

Ple

	Plenum Number:	6220FL
	Plenum (Y/N):	No
ienum/Non-Pienum		

Electrical Characteristics (Overall)

Nom. Inductance:

Inductance (µH/ft)

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft) 65.500

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft) 118.000

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

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 6.3 Amps per conductor @ 25°C

Put Ups and Colors:

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Item #	Putup	Ship Weight	Color	Notes	Item Desc
5220FL D151000	1,000 FT	24.000 LB	BLUE		2 #16 PP FS FRPVC
5220FL 0021000	1,000 FT	24.000 LB	RED	С	2 #16 PP FS FRPVC
5220FL 0091000	1,000 FT	24.000 LB	WHITE		2 #16 PP FS FRPVC

Notes:

C = CRATE REEL PUT-UP.

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

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