Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



5120FN Multi-Conductor - NPLF Systems - 2 Conductors Cabled



For more Information please call

1-800-Belden1



Description:

14 AWG bare copper conductors, PVC/Nylon insulation, cabled together, PVC jacket with ripcord, sequential footage marking every two feet.

Yes

Usage (Overall)

Suitable Applications:

Fire Alarm, Audio Circuits, Control Circuits, Initiating Circuits, Notification Circuits, Non-Power Limited Signaling Cable

Physical Characteristics (Overall)

Conductor

AWG:

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

Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)	
PVC/Nylon - Polyvinyl Chloride/Nylon	.021	

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		
20	7x28	TC - Tinned Copper		

Outer Jacket

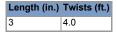
Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	.042

Outer Jacket Ripcord:

Overall Cable

Overall Cabling Lay Length & Direction:



Overall Cabling Color Code Chart:

Number	Color
1	Black
2	Red

Overall Nominal Diameter: 0.303 in.

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +75°C
UL Temperature Rating:	75°C
Bulk Cable Weight:	54.800 lbs/1000 ft.

Page 1 of 3 01-06-2012

Detailed Specifications & Technical Data





5120FN Multi-Conductor - NPLF Systems - 2 Conductors Cabled

Max. Recommended Pulling Tension:	113 lbs.
Min. Bend Radius (Install)/Minor Axis:	3 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs			
NEC/(UL) Specification:	NPLF		
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):	07/01/2005		
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		
Flame Test			
UL Flame Test:	UL1685 UL Loading		
Suitability			
Suitability - Indoor:	Yes		
Plenum/Non-Plenum			
Plenum (Y/N):	No		

Electrical Characteristics (Overall)

Nom. Inductance:

Inductance (µH/ft)

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft) 105.8

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

Max. Operating Voltage - UL:

Voltage 150 V RMS

Max. Recommended Current:

8 Amps per conductor @ 25°C

Related Documents:

No related documents are available for this product

Put Ups and Colors:

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Item #	Putup	Ship Weight	Color	Notes	Item Desc
5120FN 0021000	1,000 FT	61.000 LB	RED		2 #14 PVC/NYL FS FRPVC
5120FN 002500	500 FT	32.000 LB	RED		2 #14 PVC/NYL FS FRPVC

Revision Number: 1 Revision Date: 05-14-2007

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Page 3 of 3 01-06-2012